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Annual Report
of the
President
of the
Borough of Queens
1918

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ANNUAL REPORT

OF THE

PRESIDENT

OF THE

BOROUGH OF QUEENS

1918

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MAURICE E. CONNOLLY, PRESIDENT

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CITY OF NEW YORK
OFFICE OF THE
PRESIDENT OF THE BOROUGH OF QUEENS

Long Island City, November 26, 1919.

HONORABLE JOHN F. HYLAN, Mayor,
The City of New York.

SIR:

In compliance with the provisions of the Charter of The City of New York, I submit herewith a report showing the operations of the various departments under my supervision for the year ended December 31, 1918.

Yours very truly,

MAURICE E. CONNOLLY,
President of the Borough of Queens.

552409

OFFICIALS OF THE
BOROUGH OF QUEENS, 1918

<i>President of the Borough.....</i>	MAURICE E. CONNOLLY
<i>Commissioner of Public Works.....</i>	FRANK X. SULLIVAN
<i>Secretary of the Borough.....</i>	JOSEPH FLANAGAN
<i>Assistant Commissioner of Public Works.....</i>	W. AUGUSTUS SHIPLEY
<i>Superintendent of Highways.....</i>	G. HOWLAND LEAVITT
<i>Superintendent of Sewers.....</i>	JOHN R. HIGGINS
<i>Superintendent of Street Cleaning.....</i>	DANIEL EHNTOLT
<i>Superintendent of Public Buildings and Offices.....</i>	JOSEPH SULLIVAN
<i>Superintendent of Building Construction and Alteration.....</i>	JOHN W. MOORE
<i>Engineer in Charge of Construction.....</i>	JAMES RICE
<i>Engineer in Charge of Topographical Bureau.....</i>	CHARLES U. POWELL

THE CITY OF NEW YORK
OFFICE OF THE
PRESIDENT OF THE BOROUGH OF QUEENS
MAURICE E. CONNOLLY, *President*

The Charter of The City of New York provides that the President of the Borough shall submit to the Mayor, annually, a report showing the operations of the various departments under his supervision. A summarized report for the year ended December 31, 1918, is herewith transmitted.

The City of New York is divided into five boroughs for the purpose of administering the functions of municipal government that are local in character. The Borough of Queens consists of the territory known as Queens County and the electors thereof elect a President for a term of four years. By virtue of his office the President is a member of the local boards of every district of local improvement in his borough and is chairman thereof. The President is also a member of the Board of Estimate and Apportionment and a member of the Board of Aldermen. The President has control of regulating, grading, curbing, flagging and guttering of streets and laying of crosswalks, of constructing and repairing public roads, of paving, repaving, resurfacing and repairing of all streets, and of the relaying of all pavement; of the laying of surface railroad tracks, the filling of sunken lots, fencing of vacant lots, digging down lots, licensing vaults under sidewalks, removal of encumbrances, the issue of permits to use or open the streets. He has control of the construction and maintenance of all bridges and tunnels except such bridges as cross navigable streams; the construction and supervision of sewers, of the construction, repairs, cleaning and maintenance of public buildings (except schoolhouses, almshouses, penitentiaries and fire and police station houses), of the care and cleaning of all offices occupied for public use; of the location, establishment, care, erection and maintenance of the public baths, and public comfort stations; and of the placing of all street signs, of the cleaning of the streets, the removal of ashes, street sweepings and garbage; of the framing of regulations controlling the use of sidewalks and gutters.

The office of the President of the Borough is divided into eight bureaus, each of which performs certain designated functions. These bureaus are: (1) Administration, (2) Highways, (3) Engineering Construction, (4) Sewers, (5) Street Cleaning, (6) Public Buildings and Offices, (7) Topographical, (8) Supervision of Building Construction and Alteration.

LOCAL BOARDS

For the purposes of home rule and local improvements the Borough of Queens is divided into two districts, called Newtown (Wards 1 and 2) and Jamaica (Wards 3, 4 and 5). In each of these districts is a board of local improvements known as "the local board," entrusted with the powers prescribed by the Charter. The local boards have jurisdiction over those subjects or matters the costs and expenses whereof are a charge upon the people or property of the district for local administration within such district. The local board consists of the President of the Borough and each member of the Board of Aldermen who represents an Aldermanic district within such local improvement district.

LOCAL BOARDS—REPORT OF 1918

PETITIONS CONSIDERED										IMPROVEMENTS INITIATED		KIND	Total Estimated Cost of Improvements Initiated
1st ter	2nd ter	3rd ter	4th ter	1st ter	2nd ter	3rd ter	4th ter	1st ter	2nd ter	3rd ter	4th ter		
14	13	1	4	13	11	1	4	Sewer construction	...	...	...	Construction of basins	\$966,635.00
...	...	1	...	...	...	...	...	Construction of basins in accordance with Section 435 of the Greater New York Charter	...	...	...	...	3,740.00
1	...	...	...	...	...	...	...	Regulating and grading	...	...	...	...	...
3	...	...	...	3	...	...	...	Regulating and curbing	...	...	...	...	18,200.00
...	...	1	...	...	...	1	...	Curbing and laying sidewalks	...	...	...	...	4,300.00
1	...	...	...	1	...	...	...	Regulating, grading, curbing, laying sidewalks and crosswalks	...	...	...	...	3,400.00
5	2	...	9	1	1	...	7	Regulating, grading, curbing, laying sidewalks and crosswalks	...	...	...	...	111,300.00
2	...	1	3	1	...	...	1	Paving	...	...	...	...	16,100.00
4	2	1	2	1	...	...	1	Regulating, grading, curbing, laying sidewalks, paving, etc.	...	...	...	...	153,080.00
3	6	...	9	1	4	...	9	Curbing, laying sidewalks, constructing fence, etc., in accordance with Section 435 of the Greater New York Charter	...	...	...	...	10,290.00
6	5	1	1	3	4	1	1	Amending map	...	...	...	...	...
1	2	...	...	...	1	2	...	Referred to City Plan Committee	...	...	...	...	...
12	7	...	3	8	3	...	2	Acquiring title	...	...	...	...	...
...	2	1	...	...	...	...	...	Miscellaneous	...	...	...	...	...
6	3	...	2	5	2	...	1	Amendment of zone districts	...	...	...	...	...
1	4	...	1	1	4	...	1	Water	...	...	...	...	...
...	1	...	4	...	1	...	4	Gas and Electricity	...	...	...	...	...
59	48	6	38	39	33	4	31	...	...	...	...	...	\$1,287,045.00
Total.....				Total.....				Total.....		107			
Total.....				Total.....				Total.....		151			

RESOLUTIONS RECONSIDERED	
Re-adopted.....	3
Amended.....	18
Rescinded.....	76
Filed.....	2
Total.....	99

DIVISION OF AUDIT AND ACCOUNTS

APPROPRIATIONS 1917 AND PRIOR YEARS

Cash Balance as at Dec. 31, 1917.....	\$3,643.41
<i>Additions:</i>	
Transfers, Adjustments and Reconciliations.....	6,317.15
Total Cash.....	\$9,960.56
<i>Less:</i>	
Transfer to General Fund.....	1.50
Net Funds Available for 1918.....	\$9,959.06
<i>Disbursements:</i>	
Amount (net) of Vouchers Registered and Transmitted during 1918.....	3,431.55
Cash Balance as at Dec. 31, 1918.....	\$6,527.51
<i>Reserves:</i>	
None.	
Unencumbered Balance as at Dec. 31, 1918.....	\$6,527.51

APPROPRIATIONS 1917

Cash Balance as at December 31, 1917.....	\$98,603.11
<i>Additions:</i>	
Cash Deposited During Year 1918.....	\$48.15
Transfer, Adjustments and Reconciliations.....	203.78
Total Additions During the Year 1918.....	251.93
Total Cash.....	\$98,855.04
<i>Less:</i>	
Transfers of Unencumbered Balances, Adjustments and Reconciliations.....	11,498.48
Net Cash Available for Year 1918.....	\$87,356.56
<i>Disbursements:</i>	
Amount (net) of Vouchers Registered and Transmitted to the Department of Finance, During the Year 1918.....	\$3,421.56
Cash Balance as at December 31, 1918.....	\$3,935.00
<i>Reserves:</i>	
For Contracts.....	\$624.99
" Open Market Orders.....	1,673.03
Total Reserves Dec. 31, 1918.....	2,298.02
Unencumbered Balance Dec. 31, 1918.....	\$1,636.98

APPROPRIATIONS 1918

Budget Allowance as at Jan. 1, 1918.....\$2,351,096.70

Additions:

Cash Deposited During 1918.....\$148.31

Transfers, Adjustments and Reconciliations.....79,557.43

Total Additions 1918.....79,705.74

Total Cost.....\$2,430,802.44

Less:

Transfer of Accruals, Adjustments and Reconciliations.....33,620.51

Net Cash Available for Year 1918.....\$2,397,181.93

Disbursements:

Amount (net) of Vouchers Registered and Transmitted to the Department of Finance During the Year.....2,229,785.96

Cash Balance as at Dec. 31, 1918.....\$167,395.97

Reserves:

For Payrolls.....\$40,384.24

" Contracts.....53,568.51

" Open Market Orders.....51,903.05

Total Reserves as of Dec. 31, 1918.....145,855.80

Unencumbered Balance as at Dec. 31, 1918.....\$21,540.17

SPECIAL REVENUE BONDS

Cash Balance as at Dec. 31, 1917.....\$31,924.35

Additions:

Adjustment Authorizations for a/c Code RFM5 (1918).....\$5,525.42

Adjustment Authorizations for Code RMS (1918).....

Authorizations as per Resolutions of the Board of Estimate and Apportionment During 1918.....378,569.80

Total Additions 1918.....384,095.22

Total Cash.....\$416,019.57

Less:

Transfer, Adjustments and Reconciliations.....303,000.00

Net Cash Available for 1918.....\$113,019.57

Disbursements:

Amount (net) of Vouchers Registered and Transmitted to the Department of Finance During 1918.....58,118.58

Cash Balance as at Dec. 31, 1918.....\$54,900.99

Reserves:

For Payroll.....\$17,482.27

" Open Market Orders.....16,303.71

Total Reserves as of Dec. 31, 1918.....33,785.98

Unencumbered Balance as at Dec. 31, 1918.....\$21,115.01

CORPORATE STOCK FUNDS

Cash Balance as of December 31, 1917.....\$1,952,325.58

Additions:

Authorizations as per Resolutions of the Board of Estimate
and Apportionment During 1918.....\$447,779.48
Authorizations for Account of Code CFM 9 and CFM 25
During 1918.....1,091,023.08

Total Additions Year 1918.....1,538,802.56

Total Cash.....\$3,491,128.14

Less:

Transfers, Rescindments, Adjustments and Reconciliations.....108,826.11

Net Cash Available for 1918.....\$3,382,302.03

Disbursements:

Amount (net) of Vouchers, Registered and Transmitted to the Depart-
ment of Finance During 1918.....2,200,823.25

\$1,181,478.78

Reserves:

For Contracts.....\$1,138,857.52
" Open Market Orders.....2,854.01

Total Reserves as of Dec. 31, 1918.....1,141,711.53

Unencumbered Balance as at Dec. 31, 1918.....\$39,767.25

SPECIAL AND TRUST FUNDS

Balance as of Dec. 31, 1917.....\$40,276.57

Cash Receipts Income from Permits Issued—Amount Deposited with City
Chamberlain During 1918.....41,833.91

Total Cash Available for 1918.....\$82,110.48

Disbursements:

Amount (net) of Vouchers Registered and Transmitted to the Depart-
ment of Finance During 1918.....39,136.53

Cash Balance as of Dec. 31, 1918.....\$42,973.95

Reserves:

For Contracts.....\$1,454.55
" Open Market Orders.....3,695.38
" Refunds (Code S7Q).....1,427.84

Total Reserves as of Dec. 31, 1918.....6,577.77

Unencumbered Balance as of Dec. 31, 1918.....\$36,396.18

PAYROLL DIVISION

This division is charged with the preparation of all payrolls of the department or office of the Borough President, covering some 2,000 employees. It records the time reports transmitted to it by the various bureaus. All charges are then figured and the schedule line expenditures recorded. The time is then transcribed on payroll voucher forms and the vouchers forwarded to the Department of Finance. The employees' payrolls are prepared semi-monthly for those on an annual basis and weekly for those on a per diem basis. Communications pertaining to personal service are recorded and filed. A record is kept of all absences and latenesses of per annum employees, which is charged against the time allowance or vacation period of each. Duplicate payroll vouchers are registered, scheduled and filed.

DIVISION OF PURCHASE AND STORAGE OF SUPPLIES

All supplies, equipment and materials are purchased through this division on requisitions submitted by directors of various bureaus, after obtaining estimates on appropriate specifications from reliable concerns. Open market orders are issued to lowest bidders. All payment vouchers are prepared in this division.

CONTRACT AND OPEN MARKET ORDERS ISSUED DURING 1918

Month	Orders Issued	Appropriation Accounts	Special Revenue	Corporate Stock	Special and Trust Funds	Total
January.....	342	\$16,986.24	.....	\$18.40	\$385.00	\$17,389.64
February.....	388	31,324.67	.....	19.00	330.00	31,673.67
March.....	307	18,112.58	.....	119.90	576.50	18,808.98
April.....	247	14,209.58	.....	9.25	779.00	14,997.83
May.....	328	44,851.69	.....	28.00	887.75	45,767.44
June.....	280	43,986.53	.....	132.30	555.00	44,673.83
July.....	165	30,245.00	.....	37.00	604.87	30,886.87
August.....	220	52,111.20	131.75	1,205.50	480.00	53,928.45
September.....	249	38,151.96	5,778.50	310.64	464.25	44,705.35
October.....	155	15,711.26	1,470.00	283.50	54.00	17,518.76
November.....	357	23,907.39	7,582.26	1,664.60	942.37	34,096.62
December.....	299	34,054.71	11,865.51	2,429.15	180.00	48,529.37
Totals.....	3,337	\$363,652.81	\$26,828.02	\$6,257.24	\$6,238.74	\$402,976.81

DIVISION OF APPOINTMENTS

This division prepares the documents necessary to make effective all appointments, resignations and other changes in the personal service and keeps the official history of individual employees.

The following statement shows number of appointments, reassignments, reinstatements, transfers, increases in salary, promotions, suspensions and discontinuance through deaths, resignations, dismissals and retirement from service.

DIVISION OF APPOINTMENTS

Permanent appointments.....	60
Temporary appointments.....	47
Re-assignments.....	207
Re-instatements.....	5
Departmental transfers.....	60
Inter-Departmental transfers.....	17
Increases in salary.....	454
Promotions.....	41
Suspensions (lack of work).....	3
Suspensions (lack of funds).....	15
Discontinued (death).....	43
Discontinued (resigned).....	50
Discontinued (dismissed).....	4
Discontinued (appointments rescinded).....	3
Discontinued (retired on annuity).....	2

DIVISION OF CONTRACTS

This division prepares advertisements soliciting bids on contract work. It tabulates bids received and security deposits submitted therewith and keeps records of the progress of the work under all contracts.

During 1918 there were contracts awarded for \$1,624,659.09, as follows:

Month	Awards	Appropriation Accounts	Corporate Stock Funds	Special and Trust Funds	Total
March.....	11	\$123,130.90	\$24,062.90	.....	\$147,193.80
April.....	13	.....	83,298.42	.....	83,298.42
May.....	11	8,730.00	14,573.10	\$6,875.00	30,178.10
June.....	23	.....	643,935.64	.....	643,935.64
July.....	6	.....	133,318.93	.....	133,318.93
August.....	16	.....	387,955.30	.....	387,955.30
September.....	2	.....	165,216.80	.....	165,216.80
December.....	1	33,562.10	.....	.....	33,562.10
Totals.....	83	\$165,423.00	\$1,452,361.09	\$6,875.00	\$1,624,659.09

DIVISION OF MAILING AND FILING

During 1918 there were 18,000 pieces of mail received and distributed, which, after properly noted, were returned for filing. The outgoing mail handled consisted of 32,000 letters.

DIVISION OF PERMITS

REPORT FOR 1918

MONEYS RECEIVED FOR ISSUING PERMITS FOR THE BUREAUS OF HIGHWAYS AND SEWERS

	1914	1915	1916	1917	1918
First quarter.....	\$8,329.44	\$17,210.16	\$16,848.89	\$13,195.82	\$12,795.12
Second quarter.....	21,120.57	42,411.48	42,296.06	17,161.99	20,448.80
Third quarter.....	18,109.24	34,498.05	25,010.35	12,949.00	10,568.43
Fourth quarter.....	27,720.95	29,311.12	20,865.57	18,221.62	9,732.15
Totals.....	\$75,280.20	\$123,430.81	\$105,020.87	\$61,528.43	\$53,544.50

NUMBER OF PERMITS ISSUED IN 1918

Water connections and repairs.....	1,295
Sewer connections.....	2,327
Sewer repairs.....	106
Private sewers.....	17
Laying and re-laying sidewalks and permanent driveways.....	319
Storing materials.....	230
Crosswalks.....	93
Street vaults.....	7
Sign structures.....	96
Public Service Corporation permits.....	2,835
Total.....	7,325

BUREAU OF HIGHWAYS

WORK PERFORMED 1918

Macadam Streets:

Macadam pavement repaired.....	sq. yds.	553,993
" " cleaned.....	"	291,315
" " oiled and tarred.....	"	73,970
" " sprinkled.....	"	178,517
" " finished.....	"	206,017
Dirt wings honed and cleaned.....	"	514,642
Gutters cleaned.....	lin. ft.	417,548

Paved Streets:

Granite pavement repaired.....	sq. yds.	72,333
Brick " ".....	"	12,331
Wood block " ".....	"	3,436
Asphalt block " ".....	"	4,603
Sheet asphalt " ".....	"	1,087
Slag block " ".....	"	141
Asphalt concrete " ".....	"	18,362
Flagstones relaid.....	sq. ft.	14,247
Headers set.....	lin. ft.	6,912
Curb set.....	"	1,181
Gutters built and repaired.....	"	16,520
Stone crosswalks repaired.....	"	321
Pavement sanded.....	sq. yds.	129,509

Unimproved Streets:

Roadway graded.....	sq. yds.	606,803
" turnpiked.....	"	1,588,012
" scraped and hoed.....	"	1,579,577
" filled in with sand and ashes.....	"	175,366
" sprinkled.....	"	140,200
" oiled.....	"	189,600
Dirt sidewalks graded.....	"	12,026
Dirt crosswalks graded.....	"	2,569
Gutters formed and cleaned.....	lin. ft.	1,003,698

Culverts:

Culverts cleaned.....	lin. ft.	2,704
Wood culverts repaired and built.....	"	5,857
Pipe laid.....	"	1,786

Catch Basins:

Catch basins cleaned.....		48
" " repaired.....		36

Trees and Weeds:

Weeds cut down and removed.....	sq. yds.	54,541
Dead and dangerous tress cut down and removed.....		3

Ice and Snow:

Streets cleaned of snow.....	sq. yds.	27,237
Gutters cleaned of ice and snow.....	lin. ft.	126,077
crosswalks cleaned of snow.....	"	20,713

Bridges:

B.M. Ft. of lumber used in rapairs.....		21,902
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BUREAU OF ENGINEERING CONSTRUCTION

DIVISION OF HIGHWAYS

The Highway Division of the Bureau of Engineering Construction supervises the work done under contract for Highway Improvements and also the restoration of pavements over openings made by contractors for construction of sewers.

A very important part of the work of this division consists of the inspection of the condition and the making of repairs to pavements, concrete curb and cement sidewalk, and the restoration of pavements disturbed by plumbers, public service corporations and sewer and water contractors, under maintenance by contractors. This work is done under the jurisdiction of an Assistant Engineer to whom eleven men are detailed for the purpose of inspection.

The removal of encroachments on streets to which the City has title is also supervised by this Division.

CONTRACTS PREPARED FOR PUBLIC IMPROVEMENTS DURING 1918

Improve- ment	Location	Limits	Ward	Amount of Bid
RC&F	Jamaica Ave.....	Van Wyck Ave.—Cliffside Ave.....	4	\$10,320.00
RGC&F	Bleecker St.....	Grandview Ave.—338' N.E., etc.....	2	1,851.50
RG&F	Bleecker St. W. S.....	Onderdonk Ave.—100' South.....	2	300.50
RG&F	Nott Ave.....	Van Alst Ave.—East Ave.....	1	946.50
R&F	Himrod St.....	Seneca Ave.—Cypress Ave.....	2	165.60
RGC&F	Elmhurst Ave., W. S...	Roosevelt Ave.—Case St.....	2	280.00
RG&F	46th St.....	Astoria Ave.—Jackson Ave.....	2	5,837.50
RG&F	Murray St.....	Bet. Sanford Ave. and 41st Ave.....	3	1,886.50
RG&F	Hughes St.....	Anthon Ave.—90' W.....	2	419.15
RG&F	Anthon Ave., W. S.....	From a line 10' N. to a line 45' S. of Hughes St.	2	
Grading Lots	Northwest corner of...	Hughes St. to Anthon Ave.....	2	
RG&F	80th St.....	Jamaica Ave.—86th Road.....	4	140.00
RG&F	Hampton St.....	Betw. 2 lines respectively abt' 60' & abt. 420' N.W. of Kingsland Ave.	2	494.00
R&G	School St.....	Borden Ave. to Thomson Ave.....	1	5,036.25
RGC&F	Crescent St.....	13th St. and Nott Ave.....	1	4,991.25
RGC&F	Hunter Ave.....	Harris Ave. to Nott Ave.....	1	
RGC&F	Nott Ave.....	Hunter Ave. to Jackson Ave.....	1	19,283.99
RGC&F	101st Ave.....	83rd St. to Brooklyn Borough Line..	4	
RGC&F	88th Ave.....	102nd St. to 104th St.....	4	2,011.50

CONTRACTS PREPARED FOR PUBLIC IMPROVEMENTS DURING 1918—Continued

Improve- ment	Location	Limits	Ward	Amount of Bid
Lsw.	Skillman Ave.....	Dickson St. to 75' W. of Van Pelt St.	1	\$9,955.00
RGC&F	Lincoln Ave.....	Greenpoint Ave. to Queens Blvd.....	2	4,202.50
RG&F	Kissena Blvd. W. S.....	Sanford Ave. to Franklin Ave.....	3	600.60
RG&F	Palmetto St.....	Fresh Pond Rd. to Prospect St.....	2	641.00
RGC		Van Dam St. to Borden Ave.....	1	10,682.00
F&CW	Hunterspoint Ave.....	Greenpoint Ave. to Borden Ave.....		
R&F	40th Road N. S.....	Main St. to Joe Place.....	3	1,548.70
21 Bids Opened Amounting to.....				\$81,594.04
Repave	Carver St.....	Flushing Ave.—Newtown Ave.....	1	\$11,994.20
"	Marc Place.....	Grand Ave.—Newtown Ave.....	1	5,375.50
"	Webster Ave.....	From a pt. 50' W. of Hopkins Ave to a pt. 100' E. of Sunswick St.....	1	14,540.00
"	6th St., W. Blvd. and North Blvd.....	1st Ave. to College Ave.....	3	52,332.50
"	4th Ave.....	9th St. to 10th St.....	3	
"	Rockaway Beach Blvd.	Western Ave.—Remsen Ave.....	5	63,998.00
"	Grand Ave.....	Hopkins Ave.—Crescent St.....	1	32,335.00
"	First Ave.....	Washington Ave.—Graham Ave.....	1	20,859.00
"	Myrtle Ave.....	Lincoln Ave. to Jamaica Ave.....	4	45,990.00
"	Fulton Ave. & Main St.	Stevens St. to Van Alst Ave.....	1	29,018.50
"	Fulton Ave.....	Boulevard to Stevens St.....	1	8,681.00
10 Bids Opened Amounting to.....				\$285,123.70
Repairs	Sheet Asphalt Pavement in 1st and 2nd Wards.....			\$8,730.00
1 Bid Opened.				
Pave	Forest Ave.....	Woodbine St. to Putnam Ave.....	2	\$10,358.50
"	Wilbur Ave.....	William St. to Sunswick St.....	1	12,632.10
"	Abingdon Road.....	Lefferts Ave. to Breevoort St.....	4	4,571.40
"	Madison St.....	Doubleday St. to Fremont St.....	2	9,379.50
"	Wilton Ave.....	Glasser St. to Copeland Ave.....	2	18,907.50
"	14th Ave.....	Grand Ave. to Jamaica Ave.....	1	15,566.50
6 Bids Opened.....				\$71,415.50

RECAPITULATION

Bids	Amount	Total
21 For regulating, grading, curbing, laying sidewalks, crosswalks	\$81,594.04	
6 For paving.....	71,415.50	
10 For repaving.....	285,123.70	
1 For repairs sheet asphalt pavement.....	8,730.00	
38		\$446,863.24

ASSESSMENT CONTRACTS FOR REGULATING, GRADING, CURBING, FLAGGING, ETC., COM-
PLETED DURING 1918

Improve- ment	Location	Limits	Ward	Amount
RG&F	4th St.....	Polk Ave. to Stryker Ave.....	2	\$1,015.82
RG&C	Newtown Road.....	Grand Ave. to 11th Ave.....	1	413.11
C&F	Ely Ave.....	Wilbur Ave. to Payntar Ave.....	1	1,906.20
Recurb	Payntar Ave.....	At Southeasterly corner of Prospect St.....	1	
	Webster Ave. and Ver- non Ave.....	Southeasterly corner.....	1	
RG&F	11th Ave.....	Broadway to a line 400' N.....	1	184.23
RG&F	St. Felix Ave.....	Cypress Ave. to Rathjen Ave.....	2	3,398.42
RG&F	St. Felix Ave.....	Cypress Ave. to Walter St.....	2	
C&F	Thomson Ave.....	Jackson Ave. to Viaduct over L. I. R. R.....	1	1,927.83
R&G	Hill St.....	Hunterspoint Ave. to Thomson Ave.....	1	11,411.63
R&G	Nott Ave.....	Van Dam St. to Hulst St.....	1	2,628.50
F	8th St (S. S.).....	East Ave. to Jackson Ave.....	1	281.42
RG&C&F	Fresh Pond Road.....	Woodbine St. to Flushing Ave.....	2	1,765.06
RG&C&F	Weirfield St.....	Wyckoff Ave. to Evergreen Branch L. I. R. R.....	2	785.33
RG&F	Barton Place	Bet. Wentworth and Boerum Aves.....	3	235.88
RG&C&F	Yale Ave.....	Jamaica to Hillside Aves.....	4	4,897.86
RG&C&F	Forest Ave.....	Metropolitan Ave. to Palmetto St.....	2	1,797.33
R&F	Lambertville Ave.....	Belleville to Spangler Sts.....	4	1,922.57
R&F	Spangler St., W. S.....	Lambertville Ave. to Sharon Place.....	4	294.68
RG&F	Bleecker St., W. S.....	Onderdonk Ave. to a line 100' South.....	2	
R&F	Himrod St.....	Seneca to Cypress Aves.....	2	156.78
RG&F	Douglaston Ave.....	100' N. of Broadway to a line about 50' N. of Pine St.....	3	1,347.60
RG&F	90th Ave.....	102 St. to 150' E.....	4	203.75
RG&F	Bleecker St.....	Grandview Ave. to 338' N. E. on S. E. side.....	2	1,726.65
RG&F	Bleecker St.....	Grandview Ave. to 393' N. E. on N. W. side.....	2	913.87
RG&F	Nott Ave.....	Van Alst to East Aves.....	1	
RG&F	Medina Place.....	Parcell St. to Corona Ave.....	2	1,057.43
RG&F	80th St.....	Jamaica Ave. to 86th Road.....	4	79.03
RG&F	4th Ave., E. S.....	Broadway to Jamaica Ave.....	1	1,825.98
RG&F	Fairview Ave.....	Stanhope St. to Greene Ave.....	2	2,386.61
RG&F	Murray St.....	Bet. Sanford and 41st Aves.....	3	1,733.28
RG&F	California Ave.....	Parsons Ave. to Percy St.; Percy St. to Ziegler Ave.....	3	1,542.73
RG&F	Jamaica Ave.....	Lefferts to Van Wyck Aves.....	4	2,368.97
RG&F	Palmetto St., S. S.....	Onderdonk to Woodward Aves.....	2	149.80
R&G	Rawson St.....	Hunterspoint to Thomson Aves.....	1	3,882.74
RG&F	Hampton (5th) St.....	Bet. 2 lines, lines respectively about 60' and about 420' N. W. of Kings- land Ave.....	2	464.75
RG&F	Elmhurst Ave., W. S.....	Roosevelt Ave. to Case St.....	2	310.46
RG&C&F	12th Ave.....	Wilson to Vanderventer Aves.....	1	5,440.47
RG&F	Hughes St.....	Anthon Ave. to a line about 90' W.....		

ASSESEMNT CONTRACTS FOR REGULATING, GRADING, CURBING, FLAGGING, ETC., COM-
PLETED DURING 1918—Continued

Improve- ment	Location	Limits	Ward	Amount
RG&F	Anthon Ave.....	From a line about 10' N. to a line about 45' S. of Hughes St.....	2	
G	Vacant Lot.....	N. W. cor. Hughes St. and Anthon Ave.....		\$419.15
C&F	Rockaway Boulevard..	Sutphin Road to Baisley Ave.....	4	1,491.21
RGC&F	Decatur St.....	Cypress to Myrtle Aves.....	2	7,958.34
RGC&F	Tesla Place.....	Copeland to Central Aves.....	2	3,205.14
RG&F	46th St.....	Astoria to Jackson Aves.....	2	5,584.93
F	Skillman Ave.....	Dickson St. to 75' W. of Van Pelt St.	1	10,086.68
RG&F	Kissena Blvd. (W. S.).	Sanford to Franklin Aves.....	3	546.65
RG&F	Palmetto St.....	Fresh Pond Road to Prospect Ave..	2	483.94
RG&F	40th Road (N. S.).....	Main St. to Joe Place.....	3	986.55
RGC&F	Lincoln Ave.....	Greenpoint Ave. to Queens Blvd....	2	4,225.08
RGC&F	Jamiaca Ave. (N. S.)...	Lefferts to Metropolitan Aves.....	4	2,847.70
RGC&F	Crescent St.....	13th St. to Nott Ave.....	1	4,993.96
RGC&F	Hunter Ave.....	Harris to Nott Aves.....		
RGC&F	Nott Ave.....	Hunter to Jackson Aves.....		
45 Contracts Completed.....				\$119,086.10

ASSESSMENT CONTRACTS FOR PAVING COMPLETED DURING THE YEAR 1918

Improve- ment	Location	Limits	Ward	Amount
Pave	91st Ave. (Fulton).....	102d to 98th Sts.....	4	\$6,994.78
"	Sandol St.....	Bet. Millwood and Myrtle Aves.....	2	5,544.83
"	Stephen St.....	Seneca to Forest Aves.....	2	4,702.06
"	Glasser St.....	Sandol St. to Cypress Hills Road..	2	11,088.65
"	Hughes St.....	Fresh Pond Road to Sedgwick St.; Fremont to Sedgwick Sts.....	2	10,470.29
"	Crescent St., S.....	Jane to 13th Sts.....	1	7,945.56
"	80th St.....	Jamaica to 88th Aves.....	4	3,525.16
"	Hancock St.....	Webster to Pierce Aves.....	1	11,510.16
"	Forest St.....	Woodbine St. to Putnam Ave.....	2	1,009.96
"	Wilbur Ave.....	William to Sunswick Sts.....	1	12,322.14
"	Madison St.....	From 10' E. of Doubleday to Fre- mont Sts.....	2	9,127.30
"	14th Ave.....	Grand to Jamaica Aves.....	1	15,694.35
"	Wilton Ave.....	Glasser St. to Copeland Ave.....	2	18,752.50
"	101st Ave.....	83d St. to Brooklyn Borough Line..	4	19,283.99
"	Abingdon Road.....	Lefferts Ave. to Brevoort St.....	2 & 4	4,194.35
"	Review Ave.....	Howard St. to Laurel Hill Blvd....	1 & 2	33,649.09
Total.....				\$175,815.17

REPAVING STREET CONTRACTS COMPLETED DURING 1918

Improve- ment	Location	Limits	Ward	Amount
Repave	Thomson Ave.....	Jackson Ave. to Viaduct over L. I. R. R.....	1	\$28,885.78
"	2nd St.....	1st to 2nd Aves.....		
"	3rd St.....	1st to 3rd Aves.....		
"	4th St.....	1st to 2nd Aves.....		
"	5th St.....	1st to 3rd Aves.....		
"	6th St.....	1st to 2nd Aves.....		
"	7th St.....	1st Ave. to Ave. "C".....		
"	7th St.....	1st to 2nd Aves.....		
"	8th St.....	3rd Ave. to Ave. "C".....		
"	9th St.....	1st to 3rd Aves.....	3	28,319.61
"	5th Ave.....	18th to 21st Sts.....	3	
"	6th Ave.....	10th to 11th Sts.....	3	
"	7th Ave.....	16th to 18th Sts.....	3	
"	8th Ave.....	14th to 15th Sts.....	3	
"	10th St.....	Ave. "C" to East River.....	3	
"	13th St.....	Ave. "C" to Northern Boulevard.....	3	58,689.87
"	Crescent St.....	S. Jane to 13th St.....	1	20,431.95
"	Jamaica Ave.....	Van Wyck Ave. to Brooklyn Bor- ough Line.....	4	95,657.19
"	1st Ave.....	Washington to Graham Aves.....	1	20,194.71
"	Wenster Ave.....	Hopkins Ave. to Sunswick St.....	1	13,634.80
"	Grand Ave.....	Hopkins Ave. to Crescent St.....	1	30,434.32
"	Fulton Ave. and Main St.....	Stevens St. to Van Alst Ave.....	1	27,308.24
"	Fulton Ave.....	Boulevard to Stevens St.....	1	7,695.26
"	Carver St.....	Flushing to Newtown Aves.....	1	12,159.24
"	Marck Place.....	Grand to Newtown Aves.....	1	5,685.08
12 Contracts Completed.....				\$349,096.05

MISCELLANEOUS CONTRACTS COMPLETED DURING THE YEAR 1918

Repairs sheet asphalt pavement 1-2 Wards (1918).....	\$8,908.46
" " " " 1-2-3-4 Wards (1917).....	19,625.93
2 Contracts Completed.....	\$28,534.39

ASSESSMENT MAPS FORWARDED TO BOARD OF ASSESSORS DURING 1918

Improve- ment	Location	Limits	Amount
C&F	Custer St.....	Bayreuth to Sandford Aves.....	\$2,396.72
Pave	5th Ave.....	Broadway and Jamaica Ave.....	8,981.44
"	Hancock St.....	Wyckoff to Cypress Aves.....	14,285.80
"	Decatur St.....	Brooklyn Borough Line to Wyckoff Ave. }	
"	Cornelia St.....	Brooklyn Borough Line to Wyckoff Ave. }	

ASSESSMENT MAPS FORWARDED TO BOARD OF ASSESSORS DURING 1918—Continued

Improve- ment	Location	Limits	Amount
RGC&F	DeKalb Ave.....	Brooklyn Bor. Line to Onderdonk Ave.....	\$8,399.11
Pave	DeKalb Ave.....	Onderdonk to Seneca Aves.....	
R&G	Madison St.....	Prospect Ave. to Fresh Pond Road.....	13,002.21
R&G	Liberty Ave.....	112th to 108th Sts.....	1,066.69
R&G	111th St.....	Liberty Ave. to a line 147' N.....	
CF&P	Hoyt Ave.....	2nd to Flushing Ave.....	4,175.42
F	Green Ave.....	Brooklyn Borough Line to Forest Ave.....	1,758.75
R&P	Ithaca St.....	Baxter to Britton Ave.....	4,326.22
RG&F	Hillside Ave.....	N. Curtis Ave. to N. Villa St.....	986.09
RGC&P	Woodbine St.....	Myrtle Ave. to a line 100' N. E. of St. Nicholas Ave.....	4,772.91
R&P	6th Ave.....	Flushing to Grand Ave.....	19,822.97
R&P	Ditmars Ave.....	Schurz to Banks Ave.....	29,610.37
P	Hamilton St.....	Payntar to Webster Aves.....	11,315.41
RGC&F	49th St.....	Jackson to Astoria Aves.....	5,947.23
RG&F	Lambertville Ave.....	Sutphin to Merick Roads.....	52,262.04
RGC&P	Wyckoff Ave.....	Halsey St. to Cooper Ave.....	20,342.97
R&P	Buchman Ave.....	Van Cortlandt to Catalpa Aves.....	13,258.99
RGCF&	Anthon Ave.....	Halleck to Catalpa Aves.....	
Pave	Anthon Ave.....	Silver St. to Catalpa Ave.....	
	Cornelia St.....	Forest to Anthon Aves.....	
RC&P	Van Cortlandt Ave.....	Myrtle to Anthon Aves.....	4,390.83
RGC&F	38th (John) St.....	Jackson to Burnside Ave.....	933.28
RGC&F	Ely Ave.....	N. Jane St. to Wilbur Ave.....	2,559.46
RGC&F	Purves St.....	Jackson Ave. to Thomson Ave.....	2,786.50
RGC&F	Armand Place.....	Cypress Ave. to 385' northeasterly.....	1,887.77
RGC&F	95th Ave.....	N. S. 96th to 97th Sts.....	867.61
RGC&F	95th Ave.....	S. S. 96th to 98th Sts.....	
RGC&F	Atlantic Ave.....	96th to 97th Sts.....	
RGC&F	96th St., E. S.....	95th St. to Atlantic Ave.....	
RGC&F	4th St.....	Jackson to Polk Aves.....	4,899.51
RGC&F	Linden St.....	St. Nicholas Ave. to Kings County Line..	1,892.00
RG&F	Queens Boulevard.....	Hill St. to Harold Ave.....	2,132.45
CF&P	4th St.....	East Avenue to Van Alst Ave.....	6,258.28
RG&F	Van Alst Ave.....	4th St. to Viaduct over L. I. R. R.....	1,324.02
Pave	Van Alst Ave.....	Jackson Ave. to 4th St.....	10,108.27
RGC&F	51st St.....	Roosevelt to Kingsland Aves.....	8,096.11
RG&F	87th Road.....	80th to 85th Sts.....	1,638.10
R&F	90th Road.....	80th to 84th Sts.....	
RGC&F	McPherson St.....	Cornelia St. to Catalpa Ave.....	4,662.65
RGC&F	Grove St.....	Grandview to Forest Aves.....	2,186.41
RG&F	Bowne Ave.....	Franconia Ave. to 505' N. W.....	1,427.08
RG&F	Franconia Ave., N. W.	Bowne to Smart Aves.....	
R&P	Governor Place.....	Harris Ave. to 14th St.....	5,121.33
Pave	8th Ave.....	Washington to Pierce Aves.....	7,699.52
Crossw.	Potter Ave.....	Across Goodrich St.....	154.02
Pave	14th Ave.....	Graham Ave. to Broadway.....	9,889.31
RG&F	Hatch Ave.....	Atlantic to Liberty Ave.....	6,140.11
R&F	Hart St.....	Onderdonk to Woodward Ave.....	1,596.45
RGC&F	Tesla Place.....	Myrtle Ave. to Cypress Hills Cemetery....	2,070.49
RG&C	Newtown Road.....	Grand to 11th Ave.....	413.11

ASSESSMENT MAPS FORWARDED TO BOARD OF ASSESSORS DURING 1918—Continued

Improve- ment	Location	Limits	Amount
RG&F	Beach 94th St.....	Boulevard to a line 800' S.....	\$201.52
Pave	Payntar Ave.....	Jackson Ave. to Academy St.....	8,172.96
RG&F	Lewis Ave.....	Toledo St. to Hanover Ave.....	502.18
Curb	Beach 130th St.....	Bayside to Newport Aves.....	1,867.41
RG&F	4th St.....	Polk to Stryker Aves.....	1,130.45
Pave	88th St.....	Jamaica Ave. to Park Lane So.....	8,391.42
RG&F	5th St.....	Stryker to Woodside Aves.....	1,810.06
RGC&F	St. Felix Ave.....	{ Cypress Ave. to Rathjen St. Cypress Ave. to Walter St. }	4,061.17
RGC&F	86th Ave.....	109th St. to 110th St.....	234.66
RGC&F	Sandford Ave.....	149th Place to Murray St.....	446.03
RGC&F	11th Ave.....	Broadway to a line 400' N.....	208.39
RG&F	Yale Ave.....	Jamaica Ave to Canonbury Road.....	2,230.42
RGC&F	Canonbury Road.....	Yale to Harvard Aves.....	1,496.56
RGC&F	Yale Ave.....	Jamaica to Hillside Aves.....	5,256.68
RGC&F	78th St.....	Jamaica Ave. to Rockaway Blvd.....	5,352.86
C&F	Ely Ave.....	Wilbur to Payntar Aves.....	2,080.35
Recurb	Payntar Ave.....	S. W. corner of Prospect St.....	
Recurb	Webster Ave.....	Corner Vernon Ave.....	
C&F	Thomson Ave.....	Jackson Ave. to Viaduct over L. I. R. R.....	2,164.82
Grade	Nott Ave.....	Van Dam to Hulst Sts.....	3,269.50
C&F	Weirfield St.....	Wyckoff Ave. to L. I. R. R.....	875.66
GC&F	Kingsland Ave.....	Luydig Place to 51st St.....	20,457.57
F	Barton Place (N. S.).....	Wentworth to Boerum Ave.....	272.36
Pave	Hughes St.....	{ Fresh Pond Road to Sedgwick St..... Fremont to Sedgwick Sts..... }	11,726.85
Pave	Stephen St.....	Seneca to Forest Aves.....	5,115.40
R&G	Hill St.....	Hunterspoint to Thomson Aves.....	12,545.48
GCF&P	Sandol St.....	Millwood to Myrtle Aves.....	6,231.85
GCF&P	Glasser St.....	Sandol St. to Cypress Hills Road.....	12,367.83
R&G	Rawson St.....	Hunterspoint to Thomson Aves.....	4,492.81
F&C	Elmhurst Ave. (W. S.).....	Roosevelt Ave. to Case St.....	349.75
RGC&F	12th Ave.....	Wilson to Vanderventer Aves.....	6,574.83
Pave	91st Ave.....	102nd to 98th Sts.....	8,306.69
F	Palmetto St. (S. S.).....	Onderdonk to Woodward Aves.....	199.78
G&F	Medina Place.....	Parcell St. to Corona Ave.....	1,142.77
Pave	Hancock St.....	Webster to Pierce Ave.....	12,843.36
F	90th Ave. (N. S.).....	102nd St. to 150' E. therefrom.....	230.36
F	Forest Ave.....	Metropolitan Ave. to Palmetto St.....	2,117.02
F	8th St. (S. S.).....	East to Jackson Aves.....	352.65
RGC&F	Woodbine St.....	Forest Ave. to Prospect St.....	400.03
F&C	Bleecker St.....	{ S. E. side of Grandview Ave. to 338' N. E. N. W. side of Grandview Ave. to 393' N. E. }	1,890.46
R&G	16th Ave.....	Grand to Wilson Aves.....	5,287.45
F	Douglaston Ave. (W.S.).....	100' W. of Broadway to 50' N. of Pine St.....	1,522.70
F	California Ave.....	{ N. S. Parsons to Percy Sts..... Percy St. to Ziegler Ave..... }	1,542.73
F	Lambertville Ave.....	Belleville to Spangler Sts.....	2,148.53
C&F	4th Ave.....	Broadway to Jamaica Ave.....	2,017.14

81 Assessment Maps transmitted to the Board of Assessors..... \$477,736.45

RECAPITULATION OF COMPLETED CONTRACTS DURING 1918

Con- tracts	Amount
45 Regulating and Grading Streets were completed at a total cost of.....	\$119,086.10
16 Original Pavements, total cost.....	175,815.17
12 Repaving, total cost.....	349,096.05
2 Repairing Sheet Asphalt Pavement; total cost: 1917.....	\$19,625.93
1918.....	8,908.46
	<hr/> 28,534.39
Total cost.....	\$672,531.71
81 Assessment Maps were completed and forwarded to Board of Assessors for.....	\$477,736.45
1 Private Contract completed during 1918.	

WORK DONE DURING 1918

26,572.10	cu. yds.	Earth Excavation.
630.60	"	Rock Excavation.
74,999.60	"	Embankment, Furnished and Placed.
15,117.76	lin. ft.	New Bluestone Curb Set.
17,831.86	"	Old Bluestone Curb Reset.
35,745.38	"	New Concrete Curb Set.
1,340.5	"	Old Concrete Curb Reset.
2,233.6	sq. ft.	New Bluestone Flag Laid.
11,014.5	"	Old Bluestone Flag Relaid.
225,607.83	"	New Cement Sidewalk Laid.
1,360.65	"	New Crosswalk Laid.
445.05	"	Old Crosswalk Relaid.
14,748.18	cy. yds.	Concrete Foundation Laid.
50,526.97	sq. yds.	Asphaltic Concrete Pavement Laid.
190.94	"	Wood Block Pavement Laid.
18,522.86	"	Asphalt Block Pavement Laid.
7,677.14	"	Improved Granite Block Pavement Laid.
37,379.11	"	Sheet Asphalt Block Pavement Laid.
345	"	Vitrified Block Pavement Laid.
31,452.85	"	Old Granite Block Pavement Relaid.
1,180.30	"	Stone Gutters Furnished and Laid.
36.7	"	Stone Gutters Relaid.
335	lin. ft.	12-inch Vitrified Pipe in Place for Drains.
9		New Catch Basins Built.
3		Catch Basins Rebuilt.
15		Catch Basins Adjusted.
3		Sewer Manholes Rebuilt.
32		Sewer Manholes Adjusted.
57		Trees Removed.
20		Tress Replanted.
31		Tress Furnished and Planted.
2		Street-sign Posts Reset.
4,927	lin. ft.	Bluestone Headers Set in Concrete.
4,900.75	sq. yds.	Bituminous Macadam Pavement Laid.
121.5	"	Bituminous Macadam Pavement Restored.
201.66	"	Waterbound Macadam Pavement Restored.
129.8	lin. ft.	Guard Rail.
187.2	cu. yds.	Broken Stone in Crosswalks.

REPAIRS DURING 1918 UNDER SUPERVISION OF ENGINEERING AND CONSTRUCTION—HIGHWAYS

PAVEMENTS OUT OF MAINTENANCE

Sheet Asphalt Repaired Outside R. R. Area.....	3,317 sq. yds.	
Sheet Asphalt Repaired Inside R. R. Area.....	981 "	
		4,298 sq. yds.
Sheet Asphalt, Plumbers' and Corporation Openings, Re- stored.....	2,492 sq. yds.	2,492 sq. yds.
Macadam Restored Over Water and Sewer Trenches.....	5,070 sq. yds.	
Wood Block Restored Over Water and Sewer Trenches.....	400 "	
Granite Block Restored Over Water and Sewer Trenches.....	11,539 "	
Tarvia Restored Over Water and Sewer Trenches.....	2,676 "	
Improved Granite Block Restored Over Water and Sewer Trenches.....	1,590 "	
Asphalt Concrete Restored Over Water and Sewer Trenches	1,175 "	
		22,450 sq. yds.
		29,240 sq. yds.

PAVEMENTS UNDER MAINTENANCE

Asphalt Concrete Repaired.....	25,737 sq. yds.	
Asphalt Block Repaired.....	935 "	
Wood Block Repaired.....	303 "	
Tarvia Repaired.....	5,300 "	
Sheet Asphalt Repaired.....	912 "	
		33,187 sq. yds.

PLUMBERS' AND CORPORATION OPENINGS RESTORED

Asphalt Block.....	227 sq. yds.	
Sheet Asphalt.....	2,026 "	
Asphalt Concrete.....	1,336 "	
Granite Block.....	18 "	
Wood Block.....	481 "	
		4,088 sq. yds.
		37,275 sq. yds.

INSPECTED FOR FINAL OR INTERMEDIATE PAYMENTS, PAVEMENTS UNDER MAINTENANCE

Granite.....	33,068 sq. yds.	
Sheet Asphalt.....	246,506 "	Concrete Curb Inspected.. 78,000 lin. ft.
Asphalt Block.....	472,811 "	
Asphalt Concrete.....	95,693 "	Concrete Walk Inspected. 204,100 sq. ft.
Wood Block.....	35,926 "	
Second Hand Granite.....	1,113 "	
Tarvia.....	5,300 "	
	890,417 sq. yds.	
		Inspected Sewer Trenches. 153,400 lin. ft.

PAVEMENTS LAID DURING 1918

AMOUNT IN USE JANUARY 1, 1919

KIND OF PAVEMENT	NEW PAVEMENTS LAID DURING 1918		REPAVED DURING 1918		TOTAL AMOUNT IN USE JANUARY 1, 1919	
	Miles	Sq. Yds.	Miles	Sq. Yds.	Miles	Sq. Yds.
Asphaltic Concrete.....	.....	.....	5.41	70,653	113.73	1,235,997
Asphalt, Sheet.....	1.55	26,829	.54	6,550	39.34	670,440
Asphalt, Block.....	.....	.....	.85	18,500	24.74	504,118
Wood Block.....	.....	.....	.....	.....	9.54	175,884
Brick.....	.....	.....	.....	.....	9.38	160,829
Iron Slag.....	.....	.....	.....	.....	0.22	2,200
Improved Granite Block.....	.69	12,789	.42	8,477	17.09	279,762
Granite Block.....	.....	.....	.....	.....	20.82	356,072
Belgian Block.....	.....	.....	.....	.....	2.92	54,656
Bituminous Macadam.....	.....	.....	6.89	76,231	63.33	739,004
Macadam.....	.....	.....	.....	.....	175.84	2,150,271
Gravel.....	.....	.....	.....	.....	1.12	11,827
	2.24	39,618	14.11	180,411	478.07	6,341,060

NOTE.—The above table includes the following amount of Repaving done by Departmental Labor:

Bituminous Macadam.....	6.63	71,200
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SEWERS DURING 1918

7,743.08 lin. ft.	24"	R. C. Sewer, Precast Type B.	\$83,327.91
389	" 10' x 8' 3"	" " " " "	8,169.00
898	" 7' 6"	" " " " "	19,496.60
993	" 7' 0"	" " " " "	18,395.40
4.56	" 6' 0"	" " " " "	63.38
7.90	" 5' 6"	" " " " "	109.02
56.63	" 5' 0"	" " " " "	723.44
614.79	" 3' 9"	" " " " "	6,905.96
2,158	" 3' 6"	" " " " "	33,368.02
1,010.96	" 3' 3"	" " " " "	11,630.97
1,217.74	" 3' 0"	" " " " "	11,792.32
268.50	" 2' 9"	" " " " "	3,928.70
1,837.90	" 2' 6"	" " " " "	14,386.77
1,160.9	" 2' 3"	" " " " "	11,024.10
354	" 9' x 8' 3"	" " " " "	7,614.54
179	" 7' 0"	" " " " "	3,759.00
7.78	" 5' 3"	" " " " "	151.71
100	" 4' 9"	Circular Concrete Sewer	2,000.00
127	" 2' 9"	Plain Concrete Sewer	596.90
7	" 2' 6"	" " " " "	35.00
24.46	" 24"	Vitrified Pipe Sewer	126.64
1,920.81	" 22"	" " " " "	13,869.60
255.9	" 20"	" " " " , inc. concrete cradle	2,136.77
1,298.30	" 20"	" " " " "	8,150.07
5,331.44	" 18"	" " " " "	25,921.27
6,453.38	" 15"	" " " " "	27,284.90
51.50	" 15"	" " " " , inc. concrete cradle	365.10
40,734.92	" 12"	" " " " " " "	125,661.93
1,064.67	" 12"	" " " " " " "	5,362.52
860	" 8' 0"	Precast Pipe, furnished and delivered	29,240.00
1,437.15	" 7' 6"	" " " " "	30,038.45
1,726.32	" 7' 0"	" " " " "	33,942.62
70.75	" 5' 0"	" " " " "	583.69
1,392	" 4' 9"	" " " " "	23,764.00
1,144	" 4' 0"	" " " " "	4,586.92
677.29	" 3' 6"	" " " " "	4,520.45
456.60	" 3' 0"	" " " " "	1,780.74
160	" 2' 9"	" " " " "	800.00
517.98	" 2' 6"	" " " " "	1,652.36
510	" 8' 0"	" " " " "	37,740.00
3.15	" 7' 6"	" " " " "	68.35
169.32	" 7' 0"	" " " " "	3,013.90
19.75	" 5' 0"	" " " " "	251.81
1,260	" 4' 9"	" " " " "	25,200.00
100	" 4' 0"	" " " " "	1,300.00
3.95	" 3' 9"	" " " " "	33.38
3.29	" 3' 6"	" " " " "	20.92
6.60	" 3' 0"	" " " " "	29.70
5.98	" 2' 6"	" " " " "	19.20
1	Shallow Manhole		75.00
615	Manholes		55,703.00
218	Basin Manholes		23,250.00

100	per cent	Furnishing and Placing One 2' 6" x 6' 9" x 2" Fireproof Door.....	\$100.00
100	"	Placing One 4' x 7' 6" Fireproof Door and Frame.....	5.00
172	sq. ft.	6" Reinforced Concrete Platform Slab, including reing. and curbing.....	700.00
430	"	6" Reinforced Concrete Floor Slab for Screen Floor.....	700.00
93	"	6" Porous Terra Cotta Partition, including Plastering, etc.	300.00
415	cu. ft.	Class "A" Concrete Wall, fhrnshed and placed in pit.....	300.00
22	cu. yds.	1½" Gravel, furnished and placed in pit.....	300.00
100	per cent	Scraping, etc., 120 lin. ft. of 6" I Beam Trolley.....	200.00
100	"	Furnishing, etc., One Yale & Towne (or equal) 1 ton Trolley and Chain Hoist.....	150.00
100	"	Furnishing One All Steel Bailey Press, 150 lbs. capacity....	50.00
100	"	Furnishing, etc., Three Power Arc Lights (or equal), together with Air Pump, etc.....	100.00
100	"	Excavation and Removal of all mud, grit, etc., in existing screen chambers and machinery chamber.....	500.00
100	"	Hauling from Corporation Yard and Placing Special Man-hole Head, Cover and Inner Cover.....	20.00
15	"	Junction Chamber, complete, including Backfill, Lurting St and Way Ave.....	304.47
20	"	Excavation, etc., Lurting St. and Way Ave. Junction Chamber.....	194.04
		Additional Work on Junction Chamber at Ralph St. and Fresh Pond Road.....	42.50
2		Drop Chambers, Hull Ave. and Remsen Place.....	350.00
1	"	Chamber, Collins and Mt. Olivet Aves.....	1,000.00
1	"	" Fresh Pond Road near Adriatic St.....	300.00
2		Junction Chambers, Grand Ave. and Hamilton Place.....	400.00
1	"	Chamber, Junction Ave. and Hunt St.....	500.00
1	"	" Adriatic St. and Fresh Pond Road.....	720.00
1	"	" Ralph St. and Fresh Pond Road.....	400.00
1	"	" Hull Ave. and Hamilton Place.....	200.00
1	"	" Queens Boulevard and Grand St.....	700.00
1	"	" Metropolitan Ave. and Fresh Pond Road.....	600.00
1	"	" Matthew Place and Dunsing St.....	1,000.00
1	"	" Dunsing St. and Marston Ave.....	1,000.00
1	"	" Charles and Van Cott Aves.....	500.00
1	"	" Winifred and Fresh Pond Road.....	650.00
1	"	" Collins Ave. and Adriatic St.....	900.00
1	"	" Jamaica Ave. and Poth St.....	320.00
			<hr/> \$894,388.43

Built: Concrete Sewer, 11, 391.85 lin. ft., 2,158 miles.

Pipe Sewer, 64,877.65 lin. ft., 12,288 miles.

Receiving Basins, 218.

Contracts completed:

	Cost
MAURE AVE. from Atlantic Ave. to Wisner Place.....	\$10,365.70
RUST ST., from Clark Ave. to Grand St., and in	
GRAND ST. from Rust St. to Clermont Ave.....	65,883.47
JAMAICA AVE. from Greenwood Ave. to Rockaway Branch of L. I. R. R., Fourth Ward.....	31,441.28
HANCOCK ST. from Nott Ave. to 14th St., and in	
13TH and 14TH STS. from Hancock St. to the Boulevard.....	5,503.00

	Cost
OXFORD AVE. from a point about 30' 0" South of Ashland St. to Ashland St., and in	
ASHLAND ST. from Oxford Ave. to Freedom Ave.....	\$2,004.20
ANTHON AVE. from Halleck Ave. to Van Cortland Ave.....	570.25
Temporary Automatic Electric Pumping Station at THRALL AVE. and BEAUFORT AVE., and to lay a 10" Force Main in BEAUFORT AVE. from Thrall Ave. to Hatch Ave.....	12,446.00
MCCORMICK AVE. from Rockaway Road to Liberty Ave.....	3,868.20
HAYES AVE. from 51st to 40th Sts.....	34,904.91
HAYES AVE. from 40th St. to Junction Ave.....	2,197.00
NO. VILLA ST. from Jamaica to Metropolitan Aves., HILLSIDE AVE. from No. Villa St. to Waverly Place., WAVERLY PLACE from Jamaica to Metropolitan Aves., NO. CURTIS AVE. from Jamaica to Hillside Aves., and in NO. WICKES ST. from Jamaica to Hillside Aves.....	27,660.20
NO. WICKES ST. from Fulton Place to Ridgewood Ave., and in NO. VILLA ST. from Fulton Place to Ridgewood Ave.....	3,069.08
FULTON PLACE from Atfield Place to No. Villa St., and in NO. MORRIS AVE. from Fulton Place to Jamaica Ave.....	12,671.55
BUCHMAN ST. from Myrtle to Van Cortland Aves.....	4,345.21
SYCAMORE PLACE from Maure Ave. to a point about 350' 0" East of Maure Ave.....	1,468.26
50TH ST. from Hayes Ave. to crown about 460' 0" North of Jackson Ave., 49TH ST. from Hayes to Burnside Aves., 48TH ST. from Hayes to Burnside Aves., 47TH ST. from Hayes to Burnside Aves., 46TH ST. from Hayes to Burnside Aves., 45TH ST. from Hayes to Burnside Aves., 44TH ST. from Hayes Ave. to crown about 180' South of Burnside Ave., 43RD ST. from Hayes Ave. to crown about 250' North of Jackson Ave., 42ND ST. from Hayes to Jackson Aves., 41ST ST. from Hayes Ave. to crown about 200' North of Hayes Ave., and in JACKSON AVE., both sides, from 43rd to 51st Sts.....	72,133.83
SACKETT ST. from 46th to 43rd Sts., 42ND ST. from Roosevelt to Polk Aves., 41ST ST. from Roosevelt to Polk Aves., 40TH ST. from Roosevelt to Polk Aves., and in JUNCTION AVE. from Roosevelt to Polk Aves.....	21,529.54
SEVENTH AVE. from Pierce to Graham Aves., and in PIERCE AVE. from Sixth to Eighth Aves., and from Ninth to Steinway Aves.....	4,014.70
HULL AVE. from Maurice to Willow Ave., WILLOW AVE. from Jay Ave. to Grand St., HULL AVE. from Willow Ave. to Hamilton Place, HAMILTON PLACE from Hull Ave. to Grand St., and in GRAND ST. from Hamilton Place to Monteverde Ave.....	80,597.52
BEAUFORT AVE. from Guion Ave. to Seattle St., PORTLAND AVE. from Beaufort Ave. to crown North of Beaufort Ave., HERALD AVE. from Beaufort to Chichester Aves., and in GUION AVE. from Beaufort to Chichester Aves.....	8,362.57
KIMBALL AVE. from So. Curtis to So. Cochran Aves., and in SO. COCHRAN AVE. from Liberty Ave. to crown about 350' 0" North of Kimball Ave.....	6,177.45
GEROLD (19TH) ST. from California to Sanford Aves.....	2,071.50
BENEDICT AVE. from Syosset to Ferris Sts.....	8,337.46
HORTON ST. from Chicago to Justice Sts., and in JUSTICE ST. from Horton St. to Broadway.....	6,800.74

	Cost
HICKORY ST. from Freedom to Oxford Aves., and in	
OXFORD AVE. from Hickory to Maple Sts.....	\$3,815.65
51ST ST. from the bulkhead line of Flushing Bay to Lurting St.....	1,152,639.24
METROPOLITAN AVE. from Brevoort St. to Richmond Hill Ave.....	9,175.71
GUION AVE. from Atlantic Ave., N. S. to Jamaica Ave., in	
BEDFORD AVE. from Atlantic Ave., N. S. to Jamaica Ave., and in	
FULTON ST. from Guion to Napier Aves.....	15,641.61
Temporary Drain in 72ND AVE. from 135th to 147th Sts.....	23,456.00
ROCKDALE (HILL) ST. from Queens Boulevard to Nelson (Nott) Ave.....	1,904.26
RUST ST. from Grand to James Sts., in	
JAMES ST. from Rust St. to Flushing Ave., in	
FLUSHING AVE. from James St. to Collins Ave., and in	
COLLINS AVE. from Flushing to Mt. Olivet Aves.....	51,802.74
JAMAICA AVE. from Ferry St. to Gherardi Ave.....	8,456.27
JAMAICA AVE. from the easterly side of the Rockaway Beach Branch of the L. I. R. R. to Diamond St.....	4,802.30
HONEYWELL ST. from Nelson (Nott) to Hunterspoint Ave.....	5,086.71
WOODHAVEN AVE. from Fulton to Ashland St., in	
BRANDON AVE. from Woodhaven to Ocean View Aves., in	
JAMAICA AVE. from Gherardi to Vanderveer Aves., and in	
MANOR AVE. from Jamaica Ave. to Ashland St.....	69,295.24
HATCH AVE. from Ridgewood to Jamaica Ave. and in	
JAMAICA AVE. from Vanderveer Ave. to Diamond St.....	9,863.07
VAN ALST AVE. from Nott Ave. to 14th St.....	3,300.25
MAURE AVE. from Wisner Place to Metropolitan Ave., in	
JAMAICA AVE. from North Vine St. to Ellsworth Ave., and in	
RIDGEWOOD AVE. from Maure to No. Curtis Aves.....	64,387.98
AUDLEY (WALNUT) ST. from St. Ann's Ave. to Mayfair Road.....	8,320.69
UNION HALL ST. from South to Cumberland Sts.....	4,622.99
VAN WYCK AVE. from Silkworth to Jamaica Ave., in	
JAMAICA AVE. from Van Wyck to Ellsworth Aves., and in	
METROPOLITAN AVE. from Van Wyck to Troy Aves.....	14,578.00
FULTON ST. from Birch St. to Lefferts Ave., and in.....	
LEFFERTS AVE. from Fulton St. to crown about 200' 0" South of Fulton St.....	3,044.50
KINGSLAND AVE. from 51st St. to Way Ave...	
ALBURTIS AVE. from Kingsland to Roosevelt Aves., and in	
ROOSEVELT AVE. from Alburdis to Junction Aves.....	38,611.16
WISNER PLACE from Maure Ave. to Atfield Place.....	2,070.70
MYRTLE AVE. from Hamilton to Napier Aves.....	22,211.00
PARK INLET BASINS, etc., on the N. E., S. E. and S. W. corners of BEACH 118TH ST. (7TH AVE.) AND ROCKAWAY BEACH BOUL- EVARD.....	605.00
Receiving Basin, etc., on the N. E. corner of COOPER AVE. AND EPSILON PLACE.....	355.00
ROOSEVELT AVE. from Alburdis Ave. to 51st St.,	
GUNTHER ST. from Alburdis Ave. to 51st St., and in.....	
HAVEMEYER ST. from Alburdis Ave. to 51st St.....	11,758.91
MASPETH AVE. from Rust St. to Clermont Ave., and in	
CLERMONT AVE. from Maspeth Ave. to Grand St.....	22,342.63
IDAHO (21ST) ST. from Queens to Franconia Aves.,	
JOSLIN (22ND) ST. from Queens to Franconia Ave., and in	
KENDALL PLACE (23RD ST.) from Queens to Franconia Aves.....	12,176.68
TROY ST. from Jamaica to Metropolitan Aves., and in	
COTTAGE ST. from Jamaica to Metropolitan Aves.....	4,596.60

	Cost
FULTON ST. from Freedom to Herald Aves.,	
SHERRY ST. from a point about 350' 0" W. of Freedom to Herald Aves.,	
and in	
OXFORD AVE. from Fulton St. to Atlantic Ave.....	\$22,659.14
JUNCTION AVE. from Hayes to Jackson Aves.,	
39TH ST. from Hayes to Jackson Aves.,	
40TH ST. from Hayes to Jackson Aves.,	
41ST ST. from the crown about 200' 0" N. of Hayes to Jackson Aves., and in	
JACKSON AVE. both sides, from Junction Ave. to 43rd St.....	33,379.33
NO. VILLA ST. from Ridgewood to Jamaica Aves.,	
NO. COCHRAN AVE. from Ridgewood to Jamaica Aves., and in	
NO. CURTIS AVE. from Ridgewood to Jamaica Aves.....	9,153.50
VAN WYCK AVE. from Atlantic to Silkworth Aves.,	
SILLWORTH AVE. from Van Wyck to Ellsworth Aves.,	
LESTER AVE. from Silkworth to Ridgewood Aves., and in	
ELLSWORTH AVE. from Silkworth to Jamaica Gves.....	16,305.11
ALBURTIS AVE. from Lurting St. to Corona Ave.,	
CORONA AVE. from Way Ave. to 51st St., and in	
BARKINS AVE. from Corona to Alstyne Aves.....	39,074.44
WOODHAVEN AVE. from Ashland St. to a point about 1,400' 0" N. of	
Ashland St.....	7,188.48
MATTHEW PLACE from Forbes to Dunsing St.,	
DUNSING ST. from Matthew Place to Marston Ave.,	
MARSTON AVE. from Dunsing to Beeckman Sts.,	
BEECKMAN ST. from Marston to Jackson Aves.,	
JACKSON AVE. from Beeckman to Murray Sts., and in	
ASPINWALL ST. from Jackson Ave. to State St.....	47,551.47
COLLINS AVE. from Mt. Olivet Ave. to Adriatic St.,	
ADRIATIC ST. from Collins Ave. to Fresh Pond Road, and in	
FRESH POND ROAD from Mt. Olivet Ave. to Woodbine St.....	163,173.84
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	\$2,335,829.90

ASSESSMENT MAPS AND LISTS COMPLETED AND FORWARDED TO BOARD OF
ASSESSORS

	Total Cost
MASPETH AVE. from Newtown Creek to Rust St.,	
RUST ST. from Maspeth to Clark Aves.,	
Storm Water Sewer from	
RUST ST. to CLARK AVE. in easement to be acquired from City of New	
York, and combined sewer in	
CLARK AVE. from Rust St. to Perry Ave.....	\$91,811.76
PERRY AVE. from Clark to Maurice Aves., and in	
MAURICE AVE. from Perry to Hull Aves.....	84,989.07
RUST ST. from Clark Ave. to Grand St., and in	
GRAND ST. from Rust St. to Clermont Ave.....	75,573.88
KINGSLAND AVE. from Way Ave. to Luydig Place.,	
LOUONA AVE. from Kingsland to Roosevelt Aves., and in	
46TH ST. from Roosevelt to Polk Aves.....	18,454.84
ALBURTIS AVE. from Roosevelt to Polk Aves.,	
FERGUSON (CEDAR) ST. from Alburtis Ave. to 51st St.,	
EDSON (PROSPECT) ST. from Alburtis Ave. to 51st St.,	
DARVALL (HIGH) ST. from Alburtis Ave. to 51st St.,	
MICKLE (WALNUT) ST. from Alburtis Ave. to Brady St., and in	
BRADY (CHESTNUT) ST. from Darvall to Polk Aves.....	22,088.87
FILLMORE AVE. from 46th St. to Junction Ave.....	5,439.32

Total Cost

46TH ST. (NATIONAL AVE.) from Polk to Hayes Aves.,	
45TH (DE WITT) ST. from Polk to Hayes Aves.,	
44TH (BENJAMIN) ST. from Polk to Hayes Aves.,	
43RD ST (GRINNELL AVE.) from Polk to Hayes Aves.,	
42ND ST (RANDALL AVE.) from Polk to Hayes Aves.,	
41ST ST. (EVERGREEN AVE.) from Polk to Hayes Aves.,	
40TH ST. (CLINTON AVE.) from Polk to Hayes Aves., and in	
JUNCTION AVE. from Polk to Hayes Aves.....	\$50,474.89
48TH ST. from Polk to Hayes Aves.,	
49TH ST. from Polk to Hayes Aves.,	
50TH ST. from Polk to Hayes Aves.,	
ALBURTIS AVE. from Polk to Fillmore Aves., and in	
FILLMORE AVE. from 46th to 48th Sts.....	12,325.56
FOREST PARKWAY from Jamaica Ave. to Ashland St.,	
FERRY ST. from Jamaica Ave. to Ashland St., and in	
ASHLAND ST. from Forest Parkway to Ferry St.....	13,358.33
FULTON ST. from Willard Ave. to Diamond St.,	
HATCH AVE. from Fulton St. to Ridgewood Ave., and in	
DIAMOND ST. from Fulton St. to Jamaica Ave.....	15,538.30
FORBES (18TH) ST. from California to Franconia Aves.....	2,657.84
HUGHES ST. from Fresh Pond Road to Sedgwick St., and in	
SEDGWICK ST. from Hughes St. to Sedgwick Place.....	3,096.06
MAURICE AVE. from Toledo to Chicago Sts.....	2,638.55
PARK AVE. from Jamaica Ave. to Ferris Place.....	3,342.50
PROSPECT AVE. from Woodbine to Linden Sts.....	3,861.45
PACKARD ST. from Greenpoint Ave. to Queens Boulevard.....	1,645.19
FERRISS ST. from Ferry to Yarmouth Sts.....	892.80
HATCH AVE. from Chichester to Atlantic Aves.....	1,626.77
RIDGEWOOD AVE. from Herald Ave. to Rockaway Beach Branch of the	
Long Island Railroad, and in	
HERALD AVE. from Ridgewood Ave. to Maple St.....	6,387.47
HANCOCK ST. from Wyckoff Ave. to Evergreen Branch of the Long Island	
Railroad.....	915.14
BEAUFORT AVE. from Freedom Ave. to Seattle St.....	2,572.68
ANTHON AVE. from Halleck to Van Cortland Aves.....	858.81
HANCOCK ST. from Nott Ave. to 14th St., and in	
13TH AND 14TH STS. from Hancock St. to the Boulevard.....	6,093.05
NOTT AVE. from East River to Hancock St.....	43,610.96
REVIEW AVE. from Greenpoint Ave. to Howard St., and in	
HOWARD ST. from Review Ave. to Starr St.....	3,484.12
HORTON ST. from Chicago to Justice Sts., and in.	
JUSTICE ST. from Horton St. to Broadway.....	8,300.73
GEROLD (19TH) St. from California to Sanford Aves.....	2,579.45
BENEDICT AVE. from Syosset to Ferris St.....	9,076.64
BENEDICT AVE. from Ferris St. to Ashland Ave.....	1,478.44
MCCORMICK AVE. from Rockaway Road to Liberty Ave.....	4,132.06
OXFORD AVE. from 30' 0" S. of Ashland St. to Ashland St., and in	
ASHLAND ST. from Oxford to Freedom Aves.....	2,236.08
JAMAICA AVE. from Greenwood Ave. to Rockaway Branch of the L. I. R. R.	35,970.78
BUCHMAN AVE. from Myrtle to Van Cortland Aves.....	5,215.46
METROPOLITAN AVE. from Brevoort St. to Richmond Hill Ave.....	10,671.73
HICKORY ST. from Freedom to Oxford Aves., and in	
OXFORD AVE. from Hickory to Maple Sts.....	4,222.68
GUION AVE. from Atlantic N. S., to Jamaica Aves.,	
BEDFORD AVE. from Atlantic N. S., to Jamaica Aves., and in	
FULTON ST. from Guion to Napier Aves.....	17,170.59

	Total Cost
HATCH AVE. from Ridgewood to Jamaica Aves., and in	
JAMAICA AVE. from Vanderveer Ave. to Diamond St.....	\$11,098.78
JAMAICA AVE. from the easterly side of the Rockaway Branch of the	
L. I. R. R. to Diamond St.....	5,431.01
SEVENTH AVE. from Pierce to Graham Aves.,	
PIERCE AVE. from Sixth to Eighth Aves., and from Ninth to Steinway Aves.	4,677.23
JAMAICA AVE. from Ferry St. to Gherardi Ave.....	9,202.30
MAURE AVE. from Wisner Place to Metropolitan Ave.,	
JAMAICA AVE. from No. Vine St. to Ellsworth Ave., and in	
RIDGEWOOD AVE. from Maure to No. Curtis Aves.....	66,165.49
MAURE AVE. from Atlantic Ave. to Wisner Place.....	11,431.99
NO. VILLA ST. from Jamaica to Metropolitan Aves.,	
HILLSIDE AVE., N. S., from No. Villa St. to Waverly Place,	
WAVERLY PLACE from Jamaica to Metropolitan Aves.,	
NO. CURTIS AVE. from Jamaica to Hillside Aves., and in	
NO. WICKES ST. from Jamaica to Hillside Aves.....	29,841.66
FULTON PLACE from Atfield Place to No. Villa St., and in	
NO. MORRIS AVE. from Fulton Place to Jamaica Ave.....	13,622.83
NO. WICKES ST. from Fulton Place to Ridgewood Ave., and in	
NO. VILLA ST. from Fulton Place to Ridgewood Ave.....	3,650.19
SYCAMORE PLACE from Maure Ave. to a point 350' 0" E. of Maure Ave.	1,658.18
SACKETT ST. from 46th to 43rd Sts.,	
42ND ST. from Roosevelt to Polk Aves.,	
41ST ST. from Roosevelt to Polk Aves., and in	
JUNCTION AVE. from Roosevelt to Polk Aves.....	24,181.83
ROCKDALE ST. from Queens Boulevard to Nelson Ave.....	2,221.94
50TH ST. from Hayes Ave. to crown about 460' N. of Jackson Ave.,	
49TH ST. from Hayes to Burnside Aves.,	
48TH ST. from Hayes to Burnside Aves.,	
47TH ST. from Hayes to Burnside Aves.,	
46TH ST. from Hayes to Burnside Aves.,	
45TH ST. from Hayes to Burnside Aves.,	
44TH ST. from Hayes Ave. to crown about 180' S. of Burnside Ave.,	
43RD ST. from Hayes Ave. to crown about 250' N. of Jackson Ave.,	
42ND ST. from Hayes to Jackson Ave.,	
41ST ST. from Hayes Ave. to crown about 200' N. of Hayes Ave.,	
JACKSON AVE., both sides, from 43rd to 51st Sts.....	77,701.39
QUEENS AVE. from Haydock (20th) St. to Norwood Place (26th) St.....	46,655.88
HAYES AVE. from 51st to 40th Sts.....	38,124.83
KINGSLAND AVE. from 51st St. to Way Ave.,	
ROOSEVELT AVE. from Alburtis to Junction Aves., and in	
ALBURTIS (SYCAMORE) AVE. from Kingsland to Roosevelt Aves.....	45,427.73
VAN WYCK AVE. from Atlantic to Silkworth Aves.,	
SILKWORTH AVE. from Van Wyck to Ellsworth Aves.,	
LESTER AVE. from Silkworth to Ridgewood Aves., and in	
ELLSWORTH AVE. from Silkworth to Jamaica Aves.....	19,098.34
VAN WYCK AVE. from Silkworth to Jamaica Aves.,	
JAMAICA AVE. from Van Wyck to Ellsworth Ave., and in	
METROPOLITAN AVE. from Van Wyck to Troy Aves.....	16,007.04
MYRTLE AVE. from Hamilton to Napier (Washington) Aves.....	22,904.33
AUDLEY (WALNUT) ST. from St. Ann's Ave. to Mayfair Road.....	9,548.12
VAN ALST AVE. from Nott Ave. to 14th St.....	3,776.44
BEAUFORT AVE. from Guion Ave. to Seattle St.,	
PORTLAND AVE. from Beaufort Ave. to crown N. of Beaufort Ave.,	
HERLAND AVE. from Beaufort to Chichester Aves., and in	
GUION AVE. from Beaufort to Chichester Aves.....	9,483.89

	Total Cost
KIMBALL AVE. from So. Curtis to So. Cochran Aves., and in	
SO. COCHRAN AVE. from Liberty Ave. to crown 350' 0" N.....	\$7,516.32
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	\$1,054,220.65

IMPROVEMENTS FOR WHICH PRELIMINARY AUTHORIZATION WAS GRANTED

	Estimated Cost
ELLIOTT AVE. from Fresh Pond Road to Mt. Olivet Ave.....	\$8,400.00
GRAND ST. from Willow Ave. to Columbia Place, and in	
COLUMBIA PLACE from Grand St. to Brown Place.....	15,000.00
KAISER ST. from Jamaica Ave. to Ashland St.,	
WILLARD AVE. from Jamaica Ave. to Ashland St.,	
OAKLAND ST. from Kaiser St. to Manor Ave.	
BRANDON AVE. from Woodhaven to Willard Aves.,	
ELMWOOD ST. from Kaiser St. to Willard Ave.,	
FERRISS ST. from Kaiser St. to Willard Ave.,	
AVONDALE ST. from Kaiser St. to Willard Ave.,	
ASHLAND ST. from Woodhaven to Willard Aves., and in	
MANOR AVE. from Ashland St. to a point about 175' 0" N. of Ashland St.	42,000.00
RALPH ST. from Fresh Pond Road to Traffic St., and in	
TRAFFIC ST. from Ralph to Grove Sts.....	10,900.00
ROOSEVELT AVE., S. S., from Alburtis to Louona Ave.....	1,200.00
SIBOUTSEN ST. from 42nd to 40th Sts.....	1,900.00
SYOSSET ST. from Woodhaven Ave. to a point 90' 0" W. of Bigelow Ave.,	
and in	
BIGELOW AVE. from Syosset St. to Jamaica Ave.....	3,900.00
TOMPKINS PLACE from Central to Edsall Aves.....	2,100.00
WOOL ST. from Grand to Weimar Sts.,	
KOERNER ST. from Weimar St. to a point about 225' 0" E. of Wool St.	
MANHEIM ST. from Weimar St. to a point about 385' 0" E. of Wool St.,	
and in	
WEIMAR ST. from a point about 175' 0" W. of Wool St. to a point about	
385' 0" E. of Wool St.....	15,700.00
MONTEVERDE AVE. from Grand St. to Hull Ave.....	2,000.00
HOWARD ST. from Forest Parkway to a point about 275' 0" east.....	1,400.00
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	\$104,500.00

IMPROVEMENTS FOR WHICH FINAL AUTHORIZATION WAS GRANTED

	Estimated Cost
BROAD ST. from Maspeth Ave. to Grand St.,	
VAN COTT AVE. from Maspeth Ave. to Grand St.,	
HIGH ST. from Maspeth Ave. to Charles St.,	
HILL ST. from Rust St. to Clermont Ave.,	
HERBERT ST. from Rust to High Sts.,	
CHARLES ST. from Rust to Grand Sts., and in	
BEILBY ST. from Rust St. to Van Cott Ave., Second Ward.....	\$47,900.00
GEROLD (19TH) ST. from California to Sanford Aves.....	2,300.00
HICKORY ST. from Freedom to Oxford Aves., and in	
OXFORD AVE. from Hickory to Maple Sts.....	4,500.00
UNION HALL ST. from South to Cumberland Sts.....	6,500.00
WISNER PLACE from Maure Ave. to Atfield Place.....	2,500.00
ALBURTIS AVE. from Lurting St. to Corona Ave.,	
CORONA AVE. from Way Ave. to 51st St., and in	
BARKINS ST. from Corona to Alstytne Aves.....	31,500.00

	Estimated Cost
BROAD ST. from Hull to Clinton Aves.,	
CLINTON AVE. from Broad to Mueller Sts.,	
REMSEN PLACE from Clinton to Perry Aves.,	
PERRY AVE. from Maurice Ave. to Mueller St.,	
MASPETH AVE. from Clermont to Willow Aves., and in	
CLERMONT AVE. from Maspeth to Hull Ave.....	\$64,600.00
51ST ST. (CENTRAL AVE.) from Lurting (Willow) to Waldron Sts., (Lawn Ave.).....	223,400.00
FULTON ST. from Birch St. to Lefferts Ave., and in	
LEFFERTS AVE. from Fulton St. to the crown about 200' 0" S. of Ful- ton St.....	4,400.00
FULTON ST. from Freedom to Herald Aves.,	
SHERRY ST. from a point about 350' 0" W. of Freedom to Herald Aves.	
FENHURST PLACE from Sherry St. to Herald Ave., and in	
OXFORD AVE. from Fulton St. to Atlantic Ave.....	33,800.00
Combination Sewer: GENESSEE ST. from Liberty to No. Conduit Aves., and a storm water sewer in GENESSEE ST. from No. Conduit to So. Conduit Aves.....	257,000.00
HONEYWELL ST. from Nelson (Nott) to Hunterspoint Aves.....	7,500.00
IDAHO (21ST) St. from Queens to Franconia Aves.,	
JOSLIN (22ND) ST. from Queens to Franconia Aves., and in	
KENDALL PLACE (23RD ST.) from Queens to Franconia Aves.....	17,200.00
LIBERTY AVE. from Amber St (77th Road) to Huntington St. (102nd Road),	
HUNTINGTON ST. (102nd Road) from Liberty Ave. to Rockaway Blvd.,	
ROCKAWAY BOULEVARD from Huntington St. (102nd Road) to Lib- erty Ave.....	149,500.00
NO. RAILROAD AVE. from 51st St. to Louona Ave.,	
SO. RAILROAD AVE. from 51st St. to Louona Ave.,	
ALBURTIS AVE. from Kingsland Ave. to Lurting St., and in	
WAY AVE. from Kingsland Ave. to Lurting St.....	35,400.00
ROCKDALE (HILL) ST. from Queens Boulevard to Nelson (Nott) Ave....	2,600.00
TROY ST. from Jamaica to Metropolitan Aves., and in	
COTTAGE ST. from Jamaica to Metropolitan Aves.....	4,700.00
VAN ALST AVE. from Nott Ave. to 14th St.....	4,300.00
WOODLAND AVE. (90th St.) from Huntington St. (102d Road) to Beau- fort (97th) Ave.,	
BEAUFORT (97th) AVE. from Boyd Ave. (88th St.) to Hatch Ave. (97th St.)	
WALKER AVE. (94th St.) from Beaufort (97th) to Woodhaven Aves., and in	
WOODHAVEN AVE. from Walker Ave. (94th St.) to Fulton St. (91st Ave.).....	176,900.00
80TH (HUDSON) ST. from Liberty to Atlantic Aves.,	
ATLANTIC AVE., N. S., from 80th to 76th St. (Lott Ave.),	
76TH ST. from Atlantic Ave., N. S., to 93rd Ave. (Pratt Place),	
93RD AVE. from 76th St. to Elderts Lane,	
ELDERTS LANE from 93rd to Jamaica Aves.,	
78TH ST. (Snedeker Ave.) from Atlantic Ave., N. S. to Jamaica Ave., and in	
JAMAICA AVE. from Elderts Lane to the crown about 200' 0" east of Elderts Lane.....	205,400.00
HOBSON AVE. from Newtown Creek to Halle Ave.,	
Combination sewer, etc., in	
HOBSON AVE. from Halle to Jones Aves.,	
JONES AVE. from Clifton Ave. to Laurel Hill Boulevard,	
LAUREL HILL BOULEVARD from Jones to Borden Aves.,	
MONTGOMERY AVE. from Columbine to Jones Aves.,	

Estimated Cost

CONGRESS AVE. from Laurel Hill Blvd. to Montgomery Ave.,	
TOWNSEND AVE. from Laurel Hill Blvd. to Hobson Ave.,	
WATERS AVE. from Hobson to Clifton Aves.,	
JOY AVE. from Montgomery to Clifton Aves.,	
COLUMBINE AVE. from Hobson to Clifton Aves.,	
CLIFTON AVE. from Waters to Columbine Aves., with a temporary connection to sewer in Columbine Ave.	\$138,100.00
ROOSEVELT AVE., S. S., from Alburtis to Louona Aves.	1,500.00
SIBOUTSEN ST. from 42nd to 40th Sts.	2,400.00
WOOL ST. from Grand to Weimar Sts.,	
KOERNER ST. from Weimar St. to a point about 225' 0" east of Wool St.,	
MANHEIM ST. from Weimar St. to a point about 385' 0" east of Wool St.,	
WEIMAR ST. from a point about 175' 0" west of Wool St., to a point about 385' 0" E. of Wool St.	21,200.00
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	\$1,445,100.00

CONTRACTS AWARDED

Contract Price

GRAND ST. from Queens Blvd. to L. I. R. R.	\$20,460.36
BROAD ST. from Maspeth Ave. to Grand St.,	
VAN COTT AVE. from Maspeth Ave. to Grand St.,	
HIGH ST. from Maspeth Ave. to Charles St.,	
HILL ST. from Rust St. to Clermont Ave.,	
HERBERT ST. from Rust to High Sts.,	
CHARLES ST. from Rust to Grand Sts., and in	
BIELBY ST. from Rust St. to Van Cott Ave.	41,616.76
51ST ST (CENTRAL AVE.) from Lurting (Willow) to Waldron St. (Lawn Ave.)	346,493.00
FULTON ST. from Birch St. to Lefferts Ave., and in	
LEFFERTS AVE. from Fulton St. to crown about 200' 0" S. of Fulton St.	3,112.56
GEROLD (19TH) ST. from California to Sanford Ave.	2,085.06
HICKORY ST. from Freedom to Oxford Aves., and in	
OXFORD AVE. from Hickory to Maple St.	3,664.21
HONEYWELL ST. from Nelson (Nott) to Hunterspoint Ave.	5,003.70
NO. RAILROAD AVE. from 51st St. to Louona Ave.,	
SO. RAILROAD AVE. from 51st St. to Louona Ave.,	
ALBURTIS AVE. from Kingsland Ave. to Lurting St., and in	
WAY AVE. from Kingsland Ave. to Lurting St.	28,833.17
ROCKDALE (HILL) ST. from Queens Blvd. to Nelson (Nott) Ave.	1,911.76
UNION HALL ST. from South to Cumberland Sts.	4,613.48
VAN ALST AVE. from Nott Ave. to 14th St.	3,204.01
VAN WYCK AVE. from Silkworth to Jamaica Ave.,	
JAMAICA AVE. from Van Wyck to Ellsworth Aves., and in	
METROPOLITAN AVE. from Van Wyck to Troy Aves.	14,525.90
WISNER PLACE from Maure Ave. to Atfield Place.	2,042.26
Temporary Park Inlet Basin: S. S. of HILLSIDE AVE. about 160' 0" W. of Lefferts Ave.	364.05
Receiving Basin: N. E. corner COOPER AVE. and EPSILON PLACE	370.00
" " N. E. corner LOTUS and COOPER AVES.	370.00
" " Southerly side of COOPER AVE., opposite Beta Place	100.00
" " Easterly corner of FOREST AVE. and SUMMERFIELD ST.	340.00
" " Easterly corner of ELY AVE. and TEMPLE ST.	335.00

	Contract Price
ALBURTIS AVE. from Lurting St. to Corona Ave.,	
CORONA AVE. from Way Ave. to 51st St., and in	
BARKINS AVE. from Corona to Alstyne Aves.....	\$38,602.75
BROAD ST. from Hull to Clinton Aves.,	
CLINTON AVE. from Broad to Mueller Sts.,	
REMSEN PLACE from Clinton to Perry Aves.,	
PERRY AVE. from Maurice Ave. to Mueller St.,	
MASPETH AVE. from Clermont to Willow Aves., and in	
CLERMONT AVE. from Maspeth to Hull Ave.....	54,693.25
IDAHO (21ST) St. westerly side, from Queens to Franconia Aves.,	
JOSLIN (22ND) ST. from Queens to Franconia Aves., and in	
KENDALL PLACE (23RD ST.) from Queens to Franconia Aves.....	12,176.68
FULTON ST. from Freedom Ave. to Herald Ave.,	
SHERRY ST. from a point about 350' 0" W. of Freedom to Herald Aves.,	
FENHURST PLACE from Freedom Ave. to Herald Ave., and in	
OXFORD AVE. from Fulton St. to Atlantic Ave.....	22,714.76
TROY ST. from Jamaica to Metropolitan Aves., and in	
COTTAGE ST. from Jamaica to Metropolitan Aves.....	4,327.81
PARK INLET BASINS: N. E., S. E. and S. W. corners of BEACH 118TH ST. (7TH AVE.) and ROCKAWAY BEACH BLVD.....	675.05
Temporary Dry Weather Flow Sewer in the line of 43RD ST. from the pier-head line to the bulkhead line; sewer in	
43RD ST. from the bulkhead line of Flushing Bay to Ditmars Ave., a temporary grit and screening chamber in	
43RD ST; a sewer, etc., in DITMARS AVE. (BAYSHORE TERRACE) from 43rd to 51st Sts., Contract No. 2.....	5,900.00
LIBERTY AVE. from Amber (77th) St. to Huntington St. (102d Road),	
HUNTINGTON ST. from Liberty Ave. to Rockaway Blvd., and in	
ROCKAWAY BOULEVARD from Huntington St. to Liberty Ave.....	219,634.00
Combination sewer, etc., GENESSEE ST. from Liberty to North Conduit Aves, and a storm water sewer in GENESSEE ST. from No. Conduit to So. Conduit Aves.	363,819.00
Reconstruction of an outlet sewer in the line of 43RD ST. to Flushing Bay.....	33,562.10
SIBOUTSEN ST. from 42nd to 40th St.....	1,460.81
WOOL ST. from Grand to Weimar Sts.,	
KOERNER ST. from Weimar to a point about 225' 0" east of Wool St.,	
MANHEIN ST. from Weimar St. to a point about 385' 0" east of Wool St., and in	
WEIMAR ST. from a point about 175' 0" west to a point about 385' 0" east of Wool St.....	14,081.96
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	\$1,251,093.45

On December 31, 1918, there were brick and concrete, and pipe sewers, receiving basins and sewage purification plants, as follows:

64.243 miles of Brick and Concrete Sewers
296.387 " " Pipe Sewers
3,936 Receiving Basins
3 Sewage Purification Plants

DRAINAGE PLAN REPORT, 1918

Title	Sent to Board of Estimate and Apportionment	Approved by Board of Estimate and Apportionment	Area in Acres	Remarks
6-A ¹⁴	April, 1918	April 19, 1918	5	(Trowbridge St.)
10 ¹¹ and part of 3-H and 28.....	Mar. 28, 1917	April 26, 1918	15	
10 ¹²	Dec. 18, 1917	April 19, 1918	14	
Crane St.....	May, 1918	May 31, 1918	3.5	(Temporary Sewer)
Assessment Area Corona In- terceptor.....	Oct. 5, 1918	Dec. 6, 1918	....	Areas 23, 24, 24-A, 26, 27, 27-A and 29-A
Corona Int. Amended.....	Aug. 4, 1917	April 19, 1918	....	In area No. 24
20 ¹⁰	Dec. 10, 1918	Dec. 13, 1918	440	52.4 acres added
20 ¹¹	Dec. 13, 1918	.....	35	
21 ²⁰.....	.....	April 19, 1918	150	
21 ²².....	.....	May 3, 1918	3.5	
24 ¹⁶ and 27-A ³.....	.....	Mar. 1, 1918	180	
24 ¹⁷ and 27 ³ and 27-A ⁴	Oct. 5, 1918	Dec. 6, 1918	75	
24 ¹⁹	Oct. 1918	.....	75	
24 ²⁰ and 29-A ¹	Nov. 1918	.....	....
Assessment Area part of Flushing Int.....	Oct. 5, 1918	Nov. 22, 1918	....	Areas 29, 29-A, 30-A, 30-B, 31, 33-A, 33-B, 33-C, 33-D, 33-E, 33-F, 34 and 35
Trunk sewers only.....	Oct. 5, 1918	Nov. 22, 1918	....	Area 29, 31, 33-D, 30-A, 30-B and 33-C
30-A ¹ and 31 ¹	Dec. 10, 1918	.....	....
40-A ¹⁶	May, 1918	June 28, 1918	6	
40-C ⁸	Sept. 27, 1918	Dec. 6, 1918	15	
40-D ³ and 40-B ¹⁸	Nov. 13, 1917	May 3, 1918	62	
40-E ³ and 40-A ¹⁵	Sept. 22, 1917	April 26, 1918	2	
(Pierson At.) 87th Ave.....	June 1918	Nov. 22, 1918	5	Temp. San. Sewer

17 Amendments were submitted to the Board of Estimate and Apportionment.

18 Amendments were adopted by the Board of Estimate and Apportionment.

The extensive studies of the 3,500 acres in the Rockaways are nearly completed and a plan will soon be submitted to the Board of Estimate and Apportionment.

Extensive studies have been made in the Flushing section, involving an area of 8,350 acres. Sewers for part of this area have been adopted this year.

REPORT OF ANALYZING AND TESTING LABORATORY FOR 1918

Seven hundred and forty-four (744) samples were submitted and tested as to compliance with specifications for construction work, specifications for materials of construction and supplies.

CONSTRUCTION WORK AND MATERIALS OF CONSTRUCTION

BITUMINOUS MATERIALS:

Asphaltic Cement.....	10
Asphaltic Concrete.....	75
Asphalt Wearing Surface.....	60
Asphalt Block.....	14
Bituminous Road Surfacing Material.....	99
Road Oil for Cold Application.....	14
Road Oil for Hot Application.....	21
Bituminous Joint Filler.....	2

NON-BITUMINOUS MATERIALS:

Portland Cement.....	145
Sand for Concrete.....	145
Broken Stone and Broken Stone Screenings.....	41
Sand.....	37
Gravel.....	3
Grit.....	1
Granite Block.....	1
Vitrified Paving Brick.....	2
Creosoted Wood Block.....	4

SUPPLIES:

Disinfectant.....	32
Lime.....	18
Soap.....	3
Fuel Oil.....	3
Machine Oil.....	3
Cylinder Oil.....	1
Linseed Oil.....	3
Turpentine.....	2
Benzine.....	1
White Lead.....	1
Blue Print Paper.....	3

744

Tests were made of the flue gases and of clinker and ash at the Ravenswood Refuse Destructor, of the clinker and ash at Arverne Refuse Destructor, both series of tests being made for purpose of reporting on the fulfillment of guarantee clauses of contract. The clinker, ash and flue dust from the Ridgewood Refuse Destructor were also analyzed to test the completeness of incineration.

Bacteriological and chemical examinations were made of the water at various points in Flushing Bay in order to investigate and report on the alleged unfitness for bathing purposes at certain points in the bay.

Comparative chemical and bacteriological studies of the raw sewage at the Elmhurst and Jamaica Disposal Plants were made. The electrolytic process of sewage disposal was investigated at the Elmhurst plant and a detailed chemical and bacteriological study of certain phases of the process was made in the laboratory.

Studies were commenced and are being continued on the physical properties of paving blocks including granite, wood, asphalt and brick.

BUREAU OF SEWERS

MAINTENANCE DIVISION

OPERATIONS, 1918

Lineal Feet Sewer Cleaning.....	3,880,973
Manholes Cleaned.....	20,161
Loads Removed from Sewers.....	5,237
Basins Cleaned.....	9,966
Cubic Yards Removed.....	11,891
Loads Removed from Basins.....	15,666
Lineal Feet Drains and Culverts Cleaned.....	296,126
Loads Removed from Drains.....	4,410
Basins Relieved.....	15,275
" Repaired.....	65
" Built.....	13
Manholes Built.....	18
Manhole Covers Replaced.....	97
Lineal Feet of Sewer Repaired.....	1,097
Gallons Sewage Pumped and Treated:	
Newtown.....	339,029,000
Jamaica.....	1,403,611,000
Far Rockaway.....	507,985,000

BUREAU OF STREET CLEANING

WORK ACCOMPLISHED

742,325,566 sq. yds.	pavement were cleaned by hand during 1918
7,450,384 "	pavement were cleaned by machine
736,501 cu. yds.	ashes, garbage, rubbish and street sweepings collected and disposed of
18,463 "	snow were removed by the Bureau during 1918.
5,951,174 lin. ft.	of crosswalks cleaned
1,986,698 "	gutters cleaned
3,938,920 sq. yds.	streets cleaned

NEW STRUCTURES

The Incinerator Plant at 63d Street and Barbadoes Creek, Arverne, L. I., was completed and put into operation on December 19, 1918.

This plant disposes of all the garbage and refuse material collected in the Fifth District. Prior to the erection of this plant, it was necessary each summer to hire scows and tugs to take this material to a place of final disposition. This caused great expense and considerable annoyance and delay, due to the fact that scows and tugs were not at all times procurable, and disposal plants were not always ready to receive our material for final disposition. The erection of this plant has been a great relief to the tradespeople, who now cart their own material to the plant where it is disposed of without cost to them.

BUREAU OF PUBLIC BUILDINGS AND OFFICES

REVIEW OF THE YEARS' WORK

Owing to the high cost and difficulty of obtaining materials on account of war conditions, no large jobs have been undertaken during the year.

In addition to repairs made to various buildings by Departmental Labor of this Bureau, the Plumbing and Hot Water System in the Interior Bath, have been renewed by contract, also a large chimney has been built on the exterior of the County Building, Jamaica, which were absolutely necessary. The buildings and offices have been kept in clean and sanitary condition, flower beds and shrubbery have been maintained and grass trimmed in grounds adjoining public buildings during summer months.

Office equipment and supplies, and laundry, cleaning and disinfecting supplies furnished as required. All necessary work was done at Queens County Court House, Borough Hall, St. Mary's Lyceum Building, Interior Bath, Town Hall, Newtown, Town Hall, Flushing, Town Hall, Jamaica, Comfort Station, Jamaica, County Building, Jamaica, and Magistrate's Court House, Far Rockaway.

INTERIOR BATH, 8TH STREET, LONG ISLAND CITY

PATRONAGE

Month	Males	Females	Total
January.....	2,476	636	3,112
February.....	2,542	612	3,154
March.....	1,893	709	2,602
April.....	1,526	442	1,968
May.....	124	37	161
June.....	4,776	1,396	6,172
July.....	5,278	1,798	7,076
August.....	8,384	3,637	11,980
September.....	4,005	1,302	5,307
October.....	3,518	1,175	4,693
November.....	2,817	885	3,702
December.....	3,175	923	4,098
	40,473	13,552	54,025

NOTE.—Bath closed January 28th and 29th, February 4th, 5th, 11th, 12th, 18th, 19th, 25th, and 26th, March 4th, 5th, 11th, 12th, 18th, 19th, 25th, and 26th, April 1st, 2nd, 8th, 9th, 15th, 16th, 22nd, 23rd to conserve fuel. Closed from April 24th to May 30th for repairs.

TOPOGRAPHICAL BUREAU

FINAL AND ALTERATION MAPS

During the year the Board of Estimate and Apportionment approved two Final Sections (atlas sheets); three Special Final Maps, and thirty-eight Alteration Maps. Within the same period we completed and forwarded to the Board, for its approval, ten Final Sections (atlas sheets); five Special Final Maps, and forty-three Alteration Maps.

Of the maps approved by the Board, four Final Sections (atlas sheets), twelve Special Final Maps and fifty-two Alteration Maps were in its hands awaiting approval at the close of 1917; and the opening of the year 1919 finds in the hands of the Board, waiting its approval, eleven Final Sections (atlas sheets), fourteen Special Final Maps, and fifty-five Alteration Maps.

We have in course of preparation sixty Final Sections (atlas sheets), (see Chart "E"), one Special Final Map being draughted, and thirty-one Alteration Maps—nineteen being draughted, nine being computed and three being surveyed.

STREET OPENING PROCEEDINGS AND STREET OPENING MAPS

The Local Boards authorized acquisition of title to thirteen streets, and the Board of Estimate and Apportionment instituted proceedings to acquire title to eight streets of which three were new proceedings, and five amended proceedings.

Street opening maps in four proceedings, totaling 13,200 feet, were approved by the Board of Estimate and Apportionment. We completed and forwarded to the Board, for its approval, eleven Rule Maps, totaling 39,360 feet, and seventeen Draft Damage Maps, totaling 56,060 feet.

To the Corporation Counsel we forwarded thirty-three Final Damage Maps, totaling 68,627 feet, and thirty-four Benefit Maps, totaling 1,963 acres.

In course of preparation we have seventeen Rule Maps, totaling about 36,126 feet, eighteen Draft Damage Maps, totaling about 39,711 feet, forty-four Final Damage Maps, totaling about 55,016 feet, and fifty-four Benefit Maps, the acreage of which has not yet been computed.

At the present time there is under contemplation by the Sewer Bureau a plan providing for construction of a trunk sewer to drain Woodside and Winfield sections. This sewer will outlet into Bowery Bay at foot of Theodore Street and will run through 25th Street, Sigel Avenue and Riker Avenue. Title to Theodore Street has already been acquired, and Riker Avenue up to 12th Street can be vested at any time. A proceeding pro-

viding for legal opening of Riker Avenue, from 12th Street to 25th Street, and 25th Street, from Sigel Avenue to 12th Street, is now before Committee on Assessments of the Board of Estimate and Apportionment. Twelfth Street, from Sigel Avenue to 13th Street, can be vested at any time, and maps for 13th Street, from 12th Street to Polk Avenue, together with Polk Avenue, from 13th Street to Fisk Avenue, are now under preparation and will be completed during early part of 1919.

During the coming year a considerable effort will be made to facilitate construction of the Jamaica Trunk Sewer, outletting into Cornell Basin and Jamaica Disposal Plant. In order to clear the way for this sewer legal opening proceedings for the following streets were passed by the Local Board and are now in the hands of the Board of Estimate and Apportionment:

TUCKERTON STREET, Guinzburg Place to Blakely Street;
ULSTER AVENUE, Phraner Avenue to Freehold Street;
FREEHOLD STREET, Ulster Avenue to Baisley Boulevard;
BAISLEY BOULEVARD, Rockaway Boulevard to Byron Street;
Byron Street to Cornell Basin;
NORTH CONDUIT AVENUE, Baisley Boulevard to Jamaica Disposal Plant.

Another matter now in the hands of the Board of Estimate and Apportionment is a proceeding for the legal opening of NORTH JANE STREET, from Vernon Avenue to the Barge Canal Terminal, the authorization of which will permit the vesting of title and the physical improvement of this street as requested by the State Engineer.

FLUSHING BAY AND NEWTOWN CREEK

A proceeding for the legal opening of Flushing River, from Flushing Bay to Livingston Street, is expected to be approved by the Board of Estimate and Apportionment in February, and should their action permit the vesting of title and entry of the Court Order it will make available for construction and general improvement purposes an appropriation of \$80,000.00, recently made by the United States Government.

There is now pending before Congress a bill containing a project for the improvement of Newtown Creek. This bill is divided into two parts, the first of which provides for an appropriation of \$205,000.00, to be made available immediately upon enactment of the proposed legislation; while the second part involves an expenditure of \$305,000.00 additional, but necessitates an amendment of the final map and the authorization of an opening proceeding to acquire the necessary land. In connection with this matter an enabling act similar to the Flushing River bill has been submitted to the State Legislature for its approval.

A study of the above-mentioned alteration map, relative to the most advantageous location of bulkhead lines, is now being made, and it is expected that title to the land will be acquired during 1919.

The adoption by the Board of Estimate and Apportionment of the Jamaica Bay Boulevard proceeding and the authorization of its physical improvement is expected during the year 1919. This improvement, which means so much to the whole city, as well as to the 5th Ward, is expected to greatly increase the assessed valuation of the entire Rockaway Peninsula.

PRESERVATION OF ROCKAWAY BEACH OCEAN FRONT

One of the duties undertaken was a study of the Rockaway Beach ocean front, with a view to the prevention of erosion by the Atlantic Ocean. In connection therewith a report was made by this Bureau, primary motive of which was to better familiarize residents and property owners along the ocean front with existing conditions, and efforts now being made to mitigate circumstances existence of which were deemed to be a positive detriment to future growth and welfare of the Rockaways. A map was made establishing bulkhead line of the entire Rockaway Peninsula, and is now in the hands of the Board of Estimate and Apportionment awaiting its approval.

Chapter 506 of the Laws of 1918, which provides for protection of ocean fronts of the Boroughs of Brooklyn and Queens, has been invoked upon several occasions through medium of petitions presented through the Local Board, requesting construction of groynes and bulkheads at various places along the Rockaway Peninsula.

GRADES AND GRADE CHARTS

During the year detail grades were furnished for 39 streets and territorial areas; levels were run, notes reduced and plotted on 44 streets; profiles were plotted for 95 streets and 4 territorial areas. Studies for grade changes were made for 2 different streets and areas covering 400 acres. The requests for detail grades from the Highway and Sewer Bureaus have considerably decreased, with result that preparation of grade charts heretofore held up by reason of shortage of draftsmen, has notable increased.

At present we have 4 grade charts about 25 per cent completed, 2 already adopted and 1 pending approval by the Board of Estimate and Apportionment.

CESSIONS

According to Chapter 606 of the Laws of 1915 the Board of Estimate and Apportionment has full power to accept or reject street cessions and to fix the exemption from assessments that shall be accorded to grantors of accepted deeds.

For guidance of property owners desiring to cede the bed of their streets, the Board of Estimate and Apportionment has formulated a set of rules, copies of which may be obtained upon application to this office.

The rule that most immediately concerns this Bureau is Article 5, Paragraph III, which reads:

"The President of the Borough in which the property to be conveyed is located will, upon application from a grantor, prepare a technical description of the property, for incorporation in the deed, providing that proper data is submitted to him to show the relation of the bounding lines of the property to the street lines as laid out upon the City Map."

OLD RECORDS

Owing to shortage of men it became necessary to transfer to this office the one man we had copying old records at Comptroller's office, and for this reason none of these records were copied during the year, although we still continue to experience considerable difficulty owing to lack of complete copy, as we have frequently to refer to them in the preparation of reports pertaining to public improvements.

SUBSURFACE STANDARDIZATION

Our standard subsurface plan is still in the hands of consulting engineers of the Board of Estimate and Apportionment, to whom it was referred April 7, 1916.

All Public Service Corporations operating in the Borough of Queens have recognized the value and merits of our plan for standardizing their proposed sub-structure installations, and have willingly cooperated with us in the execution of said plan. From this established fact it seems quite obvious the plan is of considerable practical value, both to Public Service Corporations and Borough of Queens, and should meet with speedy approval of the Board of Estimate and Apportionment.

The mapping of underground conditions has heretofore progressed only in Long Island City, but it is the intention of the Bureau during 1919 to make surveys of the important arterial streets in Newtown, Flushing, Jamaica and Ridgewood.

HOUSE NUMBERS

We have in course of preparation a house number map covering practically all the old Village of Jamaica. This is nearing completion, and is expected to be transmitted to the Board of Aldermen for approval shortly after January 1st.

The house number map for the Village of Queens is expected to be transmitted about the same time.

During the week of October 28 to November 5 several men from this Bureau were detailed to Richmond Hill section of the Borough for purpose of assigning house numbers to all property owners and about 3,500 numbers were given out.

The entire assignments of house numbers for the year total about 4,500.

SPECIAL ACTIVITIES

Among the numerous special activities performed was an industrial survey of the entire Borough, undertaken with a view to obtaining data relative to best locations for industries contemplating a residence within Queens Borough and for the purpose of encouraging settlement of such industries.

A considerable number of maps and surveys were made for the Corporation Counsel in sustaining arguments for public improvements.

Expert testimony in accident and other cases was frequently given, and 101 reports were made relative to street dedications, for which opinions were subsequently rendered.

Photographs were made and reports rendered to the Board of Aldermen and to the Board of Estimate and Apportionment, showing the need for many improvements—pavements, sewers, etc.

A large number of property subdivision maps were submitted under the new law, effective May 11, 1916, which requires that such maps be approved by the Borough President and the Board of Estimate and Apportionment, before being filed with the County Clerk. These were examined and approved or disapproved by us.

Reports were written and maps made showing conditions within areas affected by petitions for changes in the maps of Use, Height and Area Zones, as adopted by the Board of Estimate and Apportionment July 25, 1916.

THE PUBLIC

To better serve the interests of the public and to promote the welfare of the Borough of Queens we are always ready and willing to consider and to apply, where practicable, suggestions and criticisms by the public. And all maps and information in possession of this office are at their disposal. Lithographed copies of all the more important maps can be purchased at nominal price fixed by the Board of Estimate and Apportionment; blue prints of the maps which have not been lithographed can be had for the cost of printing, or sketches can be made by any one. Information concerning street title and procedure for ceding and dedicating them to the City can also be had at this Bureau.

OFFICE ORGANIZATION

The employees of the Topographical Bureau on December 31, 1918, numbered 92* technical men, 40 per diem men and a clerical force of 7.

The total cost of maintenance for the year was \$205,398.34, divided as follows:

\$182,575.31	chargeable to	Budget
6,229.00	“	“ Special Revenue Bonds (Military)
15,526.03	“	“ Street and Park Opening Fund
1,068.00	“	“ Military Assessments.

* Includes men in the service of the United States Government.

The work of this Office falls naturally into three divisions: Division of the Borough Map, Division of Street Openings, Division of Substructures and Franchises.

In addition to these three main divisions there are two small corps termed the Legal Status Corps, and the Topography and Miscellaneous Work Corps. Each of these is closely interrelated with the work of all divisions.

DIVISION OF THE BOROUGH MAP

FINAL SECTIONS (ATLAS SHEETS) APPROVED BY BOARD OF ESTIMATE AND APPORTIONMENT

- No. 54. College Point: bounded approximately by 119th (10th) St., 20th (5th) Ave., 128th (19th) St., 22nd Road (6th Ave.), Farrington St., 23rd (7th) Ave., 134th St., 26th Ave., Farrington St., 28th Ave., Ulmer St., 30th Ave., 130th St., Uhland Ave., 127th (18th) St., 31st Ave., 123rd (14th) St. and 30th Ave. (340 acres.) Approved September 27th.
- No. 55. College Point: bounded approximately by 130th (Urania) St., 30th (Bayside) Ave., Ulmer St., 26th (Poppenhusen) Ave., 134th (Yorkville) St., 25th Ave. (Willets Point Road), 141st (Leavitt) St., 26th (Poppenhusen) Ave., 146th St., (Brewster Ave.), 32nd (Connerton-Myrtle) Ave., Parsons (Ave.) Boulevard, Northern Boulevard (Jackson Ave.-Broadway), Linden St. (Linden Ave.-Wakefield St.), 35th Ave. (State St.), Farrington St., 32nd (Connerton-Myrtle) Ave., 132nd St. (Clinton Ave.-Fork St.) and 31st Road (Bayside Ave.-Uhland Ave.). (367 Acres.) Approved December 6th.

FINAL SECTIONS (ATLAS SHEETS) BEFORE BOARD OF ESTIMATE AND APPORTIONMENT PENDING APPROVAL

- | | |
|-------------------|--------------------|
| No. 1 Laurel Hill | No. 135 Jamaica |
| " 57 Whitestone | " 138 " |
| " 60 " | " 141 St. Albans |
| " 69 " | " 218 Hammels |
| " 129 Jamaica | " 227 Far Rockaway |
| " 134 " | |

FINAL SECTION (ATLAS SHEETS) COMPLETED AND FORWARDED TO BOARD OF ESTIMATE AND APPORTIONMENT FOR APPROVAL

- | | |
|----------------------|------------------|
| No. 54 College Point | No. 134 Jamaica |
| " 57 Whitestone | " 135 " |
| " 60 " | " 138 " |
| " 69 " | " 141 St. Albans |
| " 129 Jamaica | " 218 Hammels |

FINAL SECTIONS (ATLAS SHEETS) CERTIFIED BY BOARD OF ESTIMATE AND APPORTIONMENT, AND FILED AT THIS OFFICE

- | | |
|----------------------|-------------------|
| No. 54 College Point | No. 127 Jamaica |
| " 68 Broadway | " 136 Cedar Manor |
| " 75 Auburndale | " 137 " " |

FINAL SECTIONS (ATLAS SHEETS) IN COURSE OF PREPARATION
BEING SURVEYED

No. 41 Queensboro Hill.....	80% completed	No. 86 Bayside.....	60% completed
" 49 College Point.....	80% "	" 120 Jamaica.....	85% "
" 59 Whitestone.....	75% "	" 133 Hollis.....	35% "
" 64 Black Stump.....	10% "	" 134 ".....	98% "
" 65 Flushing.....	85% "	" 143 ".....	90% "
" 70 Whitestone.....	60% "	" 144 ".....	85% "
" 74 ".....	70% "	" 148 Queens.....	30% "
" 76 Auburndale.....	30% "	" 149 ".....	20% "
" 77 Kissena Park.....	80% "	" 150 St. Albans.....	60% "
" 78 " ".....	90% "	" 151 Queens.....	40% "
" 79 " ".....	30% "	" 152 Springfield.....	20% "
" 80 Kew Gardens.....	70% "	" 153 ".....	15% "
" 81 Jamaica.....	50% "	" 154 Jamaica.....	20% "
" 82 Black Stump.....	60% "	" 159 St. Albans.....	15 "
" 83 " ".....	20% "	" 161 Queens.....	40% "
" 85 Bayside.....	80% "		

BEING COMPUTED

No. 49 College Point.....	60% completed	No. 134 Hollis.....	85% completed
" 51 Powell's Cove.....	10% "	" 142 St. Albans.....	Not started
" 52 " ".....	20% "	" 215 Hammels.....	" "
" 53 College Point.....	80% "	" 219 Arverne.....	30% completed
" 58 Whitestone Ldg. 24%	" "	" 220 ".....	Not started
" 59 Whitestone.....	30% "	" 228 Edgemere.....	15% "
" 70 ".....	5% "	" 229 ".....	80% completed
" 74 ".....	39% "	" 232 Far Rockaway.....	80% "
" 85 Bayside.....	10% "	" 233 " ".....	80% "
" 120 Jamaica.....	15% "	" 234 " ".....	95% "
" 130 ".....	35% "		

BEING DRAUGHTED

No. 121 Dunton.....	Not started	No. 230 Edgemere.....	85% completed
" 139 Jamaica.....	" "	" 234 Far Rockaway.....	35% "
" 140 Baisley Pond.....	65% completed		

SPECIAL FINAL MAPS APPROVED BY BOARD OF ESTIMATE AND APPORTIONMENT

Establishing lines and grades of BAISLEY BLVD., from Rockaway Blvd. to Byron St., and BYRON ST., from Baisley Ave. to Cornell Basin. Dated March 30, 1917.
Approved May 3.

Establishing lines and grades of NORTH CONDUIT AVE., from Baisley Blvd. to 132nd St., and 132ND ST., from North Conduit Ave. to 150th Ave. Dated April 21, 1917.
Approved March 1.

Showing street system for HOLLIS north of Long Island Railroad. Dated December 17, 1917. Approved May 31.

SPECIAL FINAL MAPS BEFORE BOARD OF ESTIMATE AND APPORTIONMENT PENDING APPROVAL

Establishing lines and grades of PUNTINE ST., from South St. to Cumberland St. Dated May 1, 1912.

Establishing system of streets for QUEENS-HOLLIS section. Dated May 14, 1914.

Establishing lines and grades of OBERLIN ST., from Mulford Ave. to Willets Point Road. Dated October 8, 1915. Referred to City Plan Committee May 12, 1916.

Establishing lines and grades of UNION HALL ST., from South St. to Brinkerhoff Ave. Dated December 11, 1916. Referred back to Borough President, April 28, 1916.

Establishing lines and grades of OCEAN PROMENADE, from Beach 126th St. to 100' west of Proposed Park. Dated May 19, 1916. Referred to City Plan Committee November 3, 1916.

Establishing lines and grades of 98TH AVE., from 190th St. to 195th St. Dated March 18, 1916.

Establishing lines and grades of 129TH (Tolland) ST., from 20th Ave. to 18th Ave. Dated June 13, 1916.

Establishing lines and grades of BEACH 130TH ST., from Beach Channel Drive to Ocean Promenade. Dated July 18, 1916.

Establishing lines and grades of McNEIL BLVD., from Dabney Ave. to Brunswick Ave. Dated September 5, 1916.

Establishing lines and grades of JAMAICA BAY BLVD., across Jamaica Bay. Dated May 20, 1918.

Establishing HEAD OF BAY BULKHEAD LINES in Jamaica Bay. Dated March 14, 1918.

Establishing lines and grades of 98TH AVE., from 218th St. to Springfield Road. Dated June 13, 1918.

Showing location of bulkhead line along the Atlantic Ocean Front, between Seaside Park and the Nassau County Line. Dated August 9, 1918.

Establishing lines and grades of Beach 62nd St., from Thursby St. to Ocean Promenade. Dated November 29, 1918.

SPECIAL FINAL MAPS COMPLETED AND FORWARDED TO BOARD OF ESTIMATE
AND APPORTIONMENT FOR APPROVAL

Establishing lines and grades of JAMAICA BAY BLVD., across Jamaica. Dated May 20, 1918.

Showing street system for HOLLIS north of Long Island Railroad. Dated December 17, 1917.

Establishing HEAD OF BAY BULKHEAD LINES at Jamaica Bay. Dated March 14, 1918.

Establishing lines and grades of 98TH AVE., from 218th St. to Springfield Boulevard. Dated June 13, 1918.

Establishing BULKHEAD LINES along Atlantic Ocean Front. Dated August 9, 1918.

Establishing lines and grades of BEACH 62ND ST., from Baisley St. to Ocean Promenade. Dated November 29, 1918.

SPECIAL FINAL MAPS CERTIFIED BY BOARD OF ESTIMATE AND APPORTIONMENT
AND FILED AT THIS OFFICE

Establishing lines and grades of 123RD ST., from 12th Ave. to 13th Ave. Filed February 11, 1918.

Establishing lines and grades of BAISLEY BLVD., from Rockaway Blvd. to Byron St., and BYRON ST., from Baisley Ave. to Cornell Basin. Filed September 19, 1918.

Establishing lines and grades of NORTH CONDUIT AVE., from Baisley Blvd. to 132nd St., and 132ND ST., from North Conduit Ave. to 150th Ave. Filed July 11.

Showing the street system for HOLLIS north of the Long Island Railroad. Filed Sept. 19.

Establishing street system bounded by Beach 63rd St., North Elizabeth Place, Barba-
does Creek and Thursby St.

GRADE CHARTS APPROVED BY BOARD OF ESTIMATE AND APPORTIONMENT

No. 10—Woodside

GRADE CHARTS BEFORE BOARD OF ESTIMATE AND APPORTIONMENT PENDING APPROVAL

No. 11—Woodside

No. 62—Flushing

GRADE CHARTS COMPLETED AND FORWARDED TO BOARD OF ESTIMATE AND APPORTIONMENT FOR APPROVAL

No. 11—Woodside

No. 62—Flushing

GRADE CHARTS CERTIFIED BY BOARD OF ESTIMATE AND APPORTIONMENT AND FILED AT THIS OFFICE

No. 10—Woodside

GRADE CHARTS IN COURSE OF PREPARATION

No. 25 Corona.....	10% completed	No. 111 Woodhaven.....	30% completed
No. 62 Murray Hill.....	100% " "	" 118 Richmond Hill...	20% " "
" 110 Brooklyn Manor	25% " "		

ALTERATION MAPS APPROVED BY BOARD OF ESTIMATE AND APPORTIONMENT

Altering lines and grades of AYR AVE., from Betts Ave. to Laurel Hill Blvd. Approved March 15.

Altering lines of 155TH AVE., from Centreville Ave. to Peconic Ave. Approved March 1.

Altering lines of PECONIC AVE., from Rockaway Blvd. to Sutter Ave. Approved March 1.

Altering grades of 130TH ST., from Kew Gardens Rd. to Hillside Ave. Approved February 8.

Altering lines and grades of 52ND ST. and BURNSIDE AVE. Approved March 15.

Altering lines of 7TH ST., from Polk Ave. to Broadway. Approved February 8.

Establishing a Public Park in 18TH AVE., from 126th to 127th Sts. Approved March 15.

Altering lines of ROCKAWAY BLVD. and ELDERTS LANE, from 90th Ave. to 91st Ave. Approved December 20.

Altering lines of MIDDLEBURG AVE. from Woodside to Barnett Aves. Approved March 15.

Altering lines and grades of MARTIN, OCEAN VIEW and BEDFORD AVES., from Myrtle Ave. to Forest Park. Approved May 31.

Establishing a Public Park, bounded by Corona Ave., Parcell St. and Chicago St. Approved April 5.

Altering lines and grades of GRAND AVE., from Ditmars to Berrian Aves. Approved May 31.

Altering lines and grades of MANOR AVE., from Ashland St. north. Approved April 5.

Altering lines of KOERNER, MANHEIM and WEIMAR STS., from Van Horn St. to L. I. R. R. Approved March 15.

Re-establishing pier and bulkhead lines of FLUSHING RIVER and contiguous streets. Approved June 28.

Altering lines and grades of 7TH AVE., from Riker to Winthrop Aves. Approved May 31.

Altering grades of DELAWARE AVE., from Parsons Blvd. to 147th St. Approved November 22.

Altering grades of 7TH ST. and VERNON AVE., from West to East Aves. Approved May 17.

Altering lines of PENELOPE ST., from Queens Blvd. to Woodhaven Ave. Approved February 8.

Altering grades of MRYTLE AVE., from Park Lane South to Lefferts Blvd. Approved February 8.

Altering grades of ASTORIA AVE., from Remsen to Woolsey Sts. Approved May 31.

Altering grades of WEIRFIELD ST., from Wyckoff Ave. to Borough Line. Approved April 5.

Altering grades of 85TH AVE., from 102nd to 105th Sts. Approved December 20.

Altering lines and grades within the territory bounded by GRAND ST., MAZEUA ST., FIRTH AVE., NASSAU AVE., etc. Approved June 28.

Showing extension of NORTH JANE ST., from Vernon Ave. to Bulkhead Line, and the elimination of ROGERS ST., from Vernon Ave. to the Bulkhead Line. Approved June 14.

Altering grades of METROPOLITAN AVE., from Lefferts Blvd. to 123rd St., and BREVOORT ST., from Abingdon Road to 84th Ave. Approved December 6.

Altering angles and dimensions of Borough Line, from North Conduit to Dumont Aves. Approved December 20.

Altering grades of CORONA, territory bounded by LOUONA AVE., POLK AVE., RIVERSIDE AVE., PEARTREE AVE., etc. Approved June 28.

Establishing lines and grades of 84TH ST., from North Atlantic to South Atlantic Aves. Approved May 31.

Altering grades of 42ND ST., from Jackson to Hayes Aves. Approved May 31.

Altering lines of PASSAIC ST., from Suwanee to Liberty Aves. Approved Sept. 20.

Altering grades of AMAGANSETT ST., from Steinway to 15th Aves. Approved September 20.

Altering lines and grades of HUNT ST., from Louona Ave. westerly. Approved September 20.

Altering grades of MARY ST., from Arctic to Adriatic Sts. Approved September 20.

Altering lines and grades of SOUTH RAILROAD AVE., from Card Place to Junction Ave. Approved December 20.

Altering lines and grades of FAIRBANKS AVE., from 16th St. to Baxter Ave. Approved December 20.

Altering grades of 40TH ROAD, from Joe Place to Main St. Approved December 20.

Altering pier and bulkhead lines of FLUSHING RIVER, from Fowler St. to Gilroy Ave. Approved December 20.

ALTERATION MAPS BEFORE BOARD OF ESTIMATE AND APPORTIONMENT PENDING APPROVAL

Establishing pier and bulkhead lines of NEWTOWN CREEK, MASPETH CREEK, DUTCH KILLS CREEK, EAST RIVER, BOWERY BAY and FLUSHING BAY.

Altering grades of RENE PLACE, from Grandview to Metropolitan Aves. Dated February 11, 1913.

Altering grades of RAWSON ST., from Foster Ave. to Queens Blvd. Dated April 5, 1913.

Closing CLAY AVE., MONTGOMERY AVE., MUSSEL AVE., CLIFTON AVE. and BROOK AVE., from Creek St. to Newtown Creek. Dated May 9, 1913. Referred back to Borough President March 17, 1916.

Establishing lines and grades of OLD ELMHURST AVE., from Roosevelt to Junction Aves. Dated Nov. 8, 1915. Referred back to Chief Engineer April 1, 1915.

Showing territory bounded by HEWITT AVE., POLK AVE., HOLLAND AVE., BAYARD ST., ROOSEVELT AVE., etc. Dated Nov. 25, 1913.

Altering grades of ASHLAND ST., from Diamond St. to Freedom Ave. Dated January 14, 1914.

Four parcels of land at CLARK ST., to be acquired for a sewer easement. Dated March 10, 1914.

Altering United States Bulkhead Line, from Beach 116th St. to Rockaway Beach Division Long Island Railroad. Dated April 17, 1914.
 Showing street system for territory bounded by JAMAICA AVE., HEMPSTEAD AVE., 99TH AVE. and 212TH ST. Dated May 14, 1914.
 Eliminating FREDERICK ST., from Garrison Ave. to Creek St. Dated November 28, 1914. Referred back to Borough President March 26, 1915.
 Altering grades of FRONT ST., from Borden Ave. to Newtown s. Dated July 2, 1914.
 Altering lines of SEVENTH ST., from Stryker Ave. to Long Island Railroad. Dated April 20, 1915.
 Altering grades of 101ST ST., from 99th Ave. to 101st Ave. Dated May 1, 1915.
 Establishing lines and grades of GODFREY AVE., from Clinton to Maspeth Aves. Dated February 14, 1917.
 Closing 7TH ST., from Long Island Railroad for distance of 25 feet. Dated June 23, 1915.
 Altering street lines within territory bounded by BEACH 25TH ST., from Fernside Place, Camp Place, SEAGIRT AVE., etc. Dated October 11, 1915.
 Establishing lines of COLLINS AVE. across Long Island Railroad. Dated September 30, 1915.
 Altering street system of Final Sections 18 and 19. Dated March 15, 1918.
 Altering grades of 110th and 111th Sts., from Myrtle to Jamaica Aves., and 86TH ST., from 109th to 112th Sts. Dated November 22, 1916.
 Closing OLD HAWTREE CREEK ROAD, from Old South Road to Dumont Ave. Dated November 24, 1916.
 Altering grades of VAN ALST AVE., from Jackson Ave. to 6th St. Dated October 5, 1916. Referred back to Borough President October 27, 1917.
 Altering lines and grades of ROACH PLACE, from South Railroad Ave. to Kingsland Ave. Dated June 26, 1917.
 Altering lines and grades of JUNCTION AVE., from Burnside to Corona Aves. Dated July 31, 1917.
 Altering lines and grades of BURNSIDE AVE., PATTERSON AVE and intersecting streets. Dated June 20, 1918.
 Altering lines and grades of KINGSLAND AVE., from Junction to Peartree Aves. Dated May 15, 1918.
 Altering lines and grades of FIRST ST., from Woodside to Skillman Aves. Dated Nov. 15, 1917. (Completed but not yet forwarded.)
 Placing OLD GRAND AVE. upon map, from 14th to 17th Aves. Dated October 26, 1917.
 Showing elimination of extension to KISSENA PARK. Dated July 2, 1907.
 Altering lines of 103RD AVE., from 127th to 129th Sts. Dated October 3, 1917.
 Altering grades of 101ST AVE., from 75th to 87th Sts. Dated November 26, 1917.
 Altering lines of RIDGEWOOD and FULTON AVES., from Cedar St. to Maure Ave. Dated July 29, 1918.
 Altering lines of AGNES PLACE, from Myrtle Ave. to Rutledge St. Dated May 22, 1918.
 Establishing a pedestrian crossing at CARD PLACE, across Long Island Railroad, and altering grades of NORTH RAILROAD AVE., from Card Place to Junction Ave. Dated March 25, 1918.
 Altering lines and grades of MILLWOOD AVE., DILL PLACE and WATER ST. Dated July 18, 1918.
 Altering grades of CORONA; territory bounded by Louona Ave., L. I. R. R., Riverside Ave., Strong's Causeway, etc. Dated April 24, 1918.
 Showing elimination of HOOD ST., from Hazen St. to Ditmars Ave. Dated June 21, 1918.
 Altering lines of ATLANTIC AVE., from 80th St. to 115th St. Dated June 12, 1918.
 Altering lines and grades of CLEVELAND AVE., from Greenpoint to Skillman Aves. Dated July 24, 1918.
 Altering lines of ARCADIA AVE., from 14th to 17th Aves. Dated November 14, 1918.

Altering lines of 123RD ST., from 85th to Metropolitan Aves. Dated Sept. 25, 1918.
 Altering grades of 87TH ROAD, from 78th to 80th Sts. Dated July 26, 1918.
 Altering lines and grades of FINAL SECTION 116; territory bounded by Sutter, Woodhaven, 135th and Pitkin Aves. Dated November 16, 1918.
 Altering grades of 86TH AVE.; territory bounded by 109th St., Myrtle Ave., Jamaica Ave., etc. Dated September 14, 1918.
 Altering lines and grades of 19TH AVE., from Astoria to Wilson Aves. Dated September 24, 1918.
 Reducing width of WOODHAVEN BLVD., from Park Lane South to Liberty Ave. Dated October 31, 1918.
 Altering grades of TRIMBLE AVE., from Queens Blvd. to Woodside Ave. Dated November 15, 1918.
 Altering grades of NORTH JANE ST., from Vernon Ave. to Barge Canal Terminal. Dated November 30, 1918.
 Altering grades of ROOSEVELT AVE., from 51st St. to Riverside Ave. Dated December 5, 1918.

ALTERATION MAPS COMPLETED AND FORWARDED TO BOARD OF ESTIMATE AND
 APPORTIONMENT FOR APPROVAL

Altering street system of Final Sections 18 and 19. Forwarded April 17.
 Altering lines of ROCKAWAY BLVD. and ELDERTS LANE, from 90th to 91st Aves. Forwarded June 11.
 Altering lines and grades of BURNSIDE AVE., PATTERSON AVE. and interesting streets. Forwarded July 12.
 Altering lines and grades of KINGSLAND AVE., from Junction to Peartree Aves. Forwarded May 27.
 Altering lines and grades of MARTIN, OCEAN VIEW and BEDFORD AVES., from Myrtle Ave. to Forest Park. Forwarded January 14.
 Re-establishing pier and bulkhead lines of FLUSHING RIVER, and contiguous streets. Forwarded January 28.
 Altering lines and grades of 7TH AVE., from Riker to Winthrop Aves. Forwarded February 16.
 Altering grades of 85TH AVE., from 102nd to 105th Sts. Forwarded May 15.
 Altering lines and grades within territory bounded by GRAND ST., MAZEAU ST., FIRTH AVE., NASSAU AVE., etc. Forwarded January 29.
 Altering lines of RIDGEWOOD and FULTON AVES., from Cedar St. to Maure Ave. Forwarded September 23.
 Altering angles and dimensions of Borough Line, from North Conduit to Dumont Aves. Forwarded June 6.
 Altering grades of CORONA; territory bounded by Louona Ave., 46th, Wilcox Sts., Riverside, Peartree Aves., etc. Forwarded February 2.
 Establishing lines and grades of 84TH ST., from North Atlantic to South Atlantic Aves. Forwarded February 20.
 Altering grades of 42ND ST., from Jackson to Hayes Aves. Forwarded February 8.
 Altering lines of AGNES PLACE, from Myrtle Ave. to Rutledge St. Forwarded June 11.
 Altering lines of PASSAIC ST., from Suwanee to Liberty Aves. Forwarded May 6.
 Altering grades of Boulevard and closing SHERMAN ST., from Wilbur to Harris Aves. Forwarded May 7.
 Altering grades of AMAGANSETT ST., from Steinway to 15th Aves. Forwarded March 28.
 Altering lines and grades of HUNT ST., from Louona Ave. westerly. Forwarded March 28.
 Establishing a pedestrian crossing at CARD PLACE and altering grades of NORTH RAILROAD AVE., from Card Place to Junction Ave. Forwarded April 6.
 Altering lines and grades of MILLWOOD AVE., DILL PLACE and WALTER ST. Forwarded July 8.

Altering grades of MARY ST., from Arctic to Adriatic Sts. Forwarded March 28.
 Altering lines and grades of SOUTH RAILROAD AVE., from Card Place to Junction Ave. Forwarded May 11.
 Altering grades of CORONA; territory bounded by Louona, Riverside Aves., Strong's Causeway and Corona Ave. Forwarded June 6.
 Altering lines and grades of FAIRBANKS AVE., from 16th St. to Baxter Ave. Forwarded June 27.
 Eliminating HOOD ST., from Ditmars to Hayes Aves., and PUBLIC PARK, bounded by Hazen St., Hood St., and Ditmars Ave. Forwarded June 27.
 Altering lines and grades of ATLANTIC AVE., from 80th to 115th Sts. Forwarded June 20.
 Altering grades of 40TH ROAD, from Joe Place to Main St. Forwarded June 27.
 Altering lines and grades of CLEVELAND AVE., from Greenpoint to Skillman Aves. Forwarded August 3.
 Altering lines of ARCADIA AVE., from 14th to 17th Aves. Forwarded November 25.
 Altering lines of 123RD ST., from 85th to Metropolitan Aves. Forwarded October 2.
 Altering grades of 87TH ROAD, from 78th to 80th Sts. Forwarded August 3.
 Altering lines and grades of FINAL SECTION 116; territory bounded by Sutter, Woodhaven, 135th, and Pitkin Aves. Forwarded December 16.
 Altering Pier and Bulkhead Lines of FLUSHING RIVER, from Fowler St. to Gilroy Ave. Forwarded August 9.
 Altering grades of 86TH AVE.; territory bounded by 109th St., Myrtle Ave., 113th St., and Jamaica Ave. Forwarded September 24.
 Altering lines and grades of 19TH AVE., from Astoria to Wilson Aves. Forwarded September 27.
 Reducing width of WOODHAVEN BLVD., from Park Lane South to Liberty Ave. Forwarded Nov. 1.
 Altering grades of TRIMBLE AVE., from Queens Blvd. to Woodside Ave. Forwarded November 22.
 Altering grades of NORTH JANE ST., from Vernon Ave. to Barge Canal Terminal. Forwarded Dec. 19.
 Altering grades of ROOSEVELT AVE., from 51st St. to Riverside Ave. Forwarded December 11.

ALTERATION MAPS CERTIFIED BY BOARD OF ESTIMATE AND APPORTIONMENT
 AND FILED AT THIS OFFICE

Altering lines and grades of JAMAICA AVE., from Lefferts to Cliffside Ave. Filed February 25.
 Altering lines and grades of JUNIPER SWAMP SECTION. Filed May 23.
 Showing a sewer easement in HOBSON AVE., from Newtown Creek to Creek St. Filed July 11.
 Altering lines and grades of AYR AVE., from Betts Ave. to Laurel Hill Blvd. Filed September 19.
 Altering lines of 155TH AVE., from Centerville to Peconic Aves. Filed July 11.
 Altering lines and grades of 47TH ST., from Astoria to Hayes Aves. Filed February 25.
 Altering lines of PECONIC AVE., from Rockaway Blvd. to Sutter Ave. Filed July 11.
 Altering lines and grades of GRIFFITH AVE., from Central to Metropolitan Aves. Filed February 25.
 Altering grades of 130TH ST., from Kew Gardens Road to Hillside Ave. Filed July 11.
 Altering lines and grades of 52ND ST. and BURNSIDE AVE.; territory bounded by 51st St., Astoria, Riverside and Hayes Aves. Filed September 19.
 Altering lines of 7TH ST., from Polk Ave. to Broadway. Filed July 11.
 Establishing a public park on 18TH AVE., from 126th to 127th Sts. Filed September 19.
 Altering lines and grades of LURTING ST., from Morris to Sanford Aves. Filed May 23.
 Altering grades of 127TH ST., from Jamaica to Hillside Aves. Filed February 25.

Altering lines of MIDDLEBURG AVE., from Woodside to Barnett Aves. Filed September 19.
 Altering grades of EDSALL AVE., from McComb Place to Central Ave. Filed February 25.
 Altering lines and grades of MARTIN, OCEAN VIEW and BEDFORD AVES., from Myrtle Ave. to Forest Park. Filed December 6.
 Altering grades of 91ST AVE., from Park Lane to 85th Road, and of 85TH AVE., from 91st to Woodhaven Aves. Filed May 23.
 Altering grades of 13TH AVE., from Jamaica Ave. to 355' south, and of JAMAICA AVE., from 12th to 13th Aves. Filed February 25.
 Altering grades of NEW YORK AVE., from Branchville Place to Baisley Ave. Filed February 25.
 Altering lines and grades of GRAND AVE., from Ditmars to Berrian Aves. Filed December 6.
 Altering lines of WOODSIDE AVE., from Jackson to Dreyer Aves. Filed February 11.
 Altering lines of KOERNER, MANHEIM and WEIMAR STS., from Van Horn St. to L. I. R. R. Filed September 19.
 Altering lines and grades of 7TH AVE., from Riker to Winthrop Aves. Filed December 6.
 Altering grades of 7TH ST. and VERNON AVE., from West to East Aves. Filed September 19.
 Altering lines of PENELOPE ST., from Queens Blvd. to Woodhaven Ave. Filed July 11.
 Altering grades of MYRTLE AVE., from Park Lane South to Lefferts Blvd. Filed July 11.
 Altering grades of ASTORIA AVE., from Remsen to Woolsey Sts. Filed December 6.
 Altering grades of CAMERON TERRACE, from Grout to Woodside Aves. Filed February 25.
 Altering lines and grades within territory bounded by GRAND ST., MAZEAU ST., FIRTH AVE., NASSAU AVE., etc. Filed December 6.
 Altering grades of CORONA; territory bounded by LOUONA AVE., POLK AVE., WILCOX ST., RIVERSIDE AVE., PEARTREE AVE., etc. Filed December 6.
 Establishing lines and grades of 84TH ST., from North Atlantic to South Atlantic Aves. Filed December 6.
 Altering grades of 42ND ST., from Jackson to Hayes Aves. Filed December 6.
 Altering lines of PASSAIC ST., from Suwanee to Liberty Aves. Filed December 6.
 Altering grades of AMAGANSETT ST., from Steinway to 15th Aves. Filed December 6.
 Altering lines and grades of HUNT ST., from Louona Ave. westerly. Filed December 6.
 Altering grades of MARY ST., from Arctic to Adriatic Sts. Filed December 6.

ALTERATION MAPS WITH BOARD OF ESTIMATE AND APPORTIONMENT FOR CERTIFICATION AND FILING

Re-establishing pier and bulkhead lines of FLUSHING RIVER, and contiguous streets. Dated January 17, 1918.
 Altering grades of DELAWARE AVE., from Parsons Blvd. to 147th St. Dated September 5, 1917.
 Showing extension of NORTH JANE ST. and elimination of ROGERS ST., from Vernon Ave. to Bulkhead Line. Dated December 8, 1917.

ALTERATION MAPS NOT COMPLETED BEING SURVEYED

GROUT AVE.: Schroeder Place to Rowan Ave. (Not started.)
 BUSKIRK PLACE: Seabury St. to Queens Blvd. (100% complete.)
 GRAND ST.: Kneeland Ave. to Queens Blvd. (Not started.)

BEING COMPUTED

WOODHILL PLACE: Falkner to Grand Sts.
POPENHUSEN AVE.: Beechhurst to Bell Aves. (Will be taken care of on Final Section.)
WOODHAVEN AVE.: Jamaica Ave. to Forest Park. (Awaiting action of City Plan Committee.)
BEACH 71ST ST.: L. I. R. R. to Amstel Ave. (Taken care of on Final Section.)
PARKMAN AVE.: Bell Ave. to Little Neck Bay. (Will be taken care of on Final Section.)
CONCH BASIN: Elimination of. (Will be taken care of on Final Section.)
JONATHAN ST.: Oak Ridge to Ridgeway Aves. (Will be taken care of on Final Section.)
MELVINA PLACE: Clinton to Maspeth Aves. (Petition for this map denied.) Cancelled.
PUNTINE ST.: Jamaica to Shelton Aves. (Covered by Final Section.)
ARCTIC ST. AND VICINITY:
METROPOLITAN AVE.: Borough Line to Jamaica Ave. (Held up pending agreement with E. & A. as to method of procedure.)
82ND AVE.: 134th to 135th Sts. (Not started.)
CASPIAN ST.: Collins to Prospect Aves. (Not started.)
LIBERTY PARK: Dill Place, Cooper Ave., etc. (100% complete.)
QUEENS AVE. and LARCH ST.: Parsons Ave. to Fresh Meadow Road.
BEATRICE PLACE: Maiden to Cunningham Lanes. (100% complete.)
FAIRMONT ST.: Existing Fairmont St. to Cypress Ave. (100% complete.)

BEING DRAFTED

JAGGAR AVE.: Underhill to Sanford Aves.
ARCHER PLACE: Van Wyck Ave. to Doris St. (Rescinded by Local Board.)
OLD BOWERY BAY ROAD: Second Ave. to Hazen St.
COOPER AVE.: Dill Place to Slocum St.
JAGGAR AVE.: Peck Ave. to Hempstead Turnpike. (Will be cared for on Final Section.)
UNNAMED ST.: Steinway to 21st Aves. (Rescinded by Local Board, Feb. 1, 1917.)
9TH ST.: Woodside Ave. to L. I. R. R. (Completed but not yet forwarded to Bd. of E. & A.)
12TH ST.: Astoria Ave. to Bowery Bay.
1ST ST.: Woodside to Skillman Aves. (Completed but not yet forwarded to Bd. of E. & A.)
BERRIAN AVE.: Riverside to Harper Aves.
19TH AVE.: Astoria Ave. to 300' south. (Not started.)
46TH AVE.: 160th to 165th Sts.
MT. JUDAH CEMETERY: Elimination of streets.
CYPRESS HILLS ROAD: Myrtle Ave. to Borough Line.
JAMAICA AVE.: Lefferts to Metropolitan Aves. (Combined with Alteration 775.)
LIBERTY PARK: Bounded by Dill Place, Cooper Ave., etc.
DURYEA ST.: Newtown Creek to Old Bradley Ave. (To be included on Final Section No. 1.)
REFUSE DESTRUCTOR: Beach 63rd St. to Barbadoes Creek.
FINAL SECTION 134: 182nd Place to 183rd St.
FAIRMONT ST.: Existing Fairmont St. to Cypress Ave.
AGNES PLACE: Myrtle Ave. to Varian St.
SAULL ST.: Lynch Place to Peck Ave.

DIVISION OF STREET OPENINGS

STREET OPENING PROCEEDINGS INSTITUTED BY THE BOARD OF ESTIMATE AND APPORTIONMENT

	Instituted
LURTING ST.: 51st St. to Wateredge Ave.....	Mar. 1
COOPER AVE.: Epsilon Place to Proctor St.....	Mar. 15
CENTRAL AVE.: Edsall to Woodhaven Aves.....	Mar. 15
FIRST ST.: Jackson Ave. to 21st St.....	Mar. 15
*SENECA AVE.: Borough Line to Willoughby Ave.....	April 5
*PENELOPE ST.: Tremont St. to Queens Blvd.....	April 5
*NORTH JANE ST.: Vernon Ave. to Barge Canal Terminal.....	Sept. 20
*AMITY ST.: Main St. to a line passing through angle points 399.57' and 474.55' east of Willets Point Blvd.....	Mar. 1
*ROOSEVELT AVE.: Main St. to a line passing through angle points 399.57' and 474.55' east of Willets Point Blvd.....	Mar. 1
72ND AVE. (Sewer easement): Vleigh Road to 710' westerly.....	Mar. 15

STREET OPENING PROCEEDINGS PASSED BY THE LOCAL BOARD AND PENDING APPROVAL BY THE BOARD OF ESTIMATE AND APPORTIONMENT

	Passed Local Board
ALBURTIS AVE.: Philmore to Alstyne Aves.....	Feb. 25, 1909
AMAGANSETT ST.: 15th St. to a property line 50' westerly.....	Sept. 29, 1913
ARCTIC ST.: Collins Ave. to Fresh Pond Road.....	Nov. 9, 1916
ARMORY AVE.: Stanhope to Bleecker Sts. (Referred back to Borough President, Nov. 12, 1915).....	Jan. 14, 1915
ATLANTIC AVE.: Channel to Grandview Aves. (Referred back to Borough President, Nov. 2, 1911).....	May 26, 1911
BAISLEY BLVD.: Rockaway Blvd. to Byron St.....	Dec. 20, 1917
BEAUFORT AVE.: Greenwood to Napier Aves.....	Sept. 23, 1913
BEAVER POND DITCH: South St. to Yukon Ave.....	Sept. 28, 1916
BEAVER POND DITCH: Maywood St. to Liberty Ave.....	Sept. 28, 1916
†BERLIN AVE.: Borden Ave. to Newtown Creek.....	April 2, 1914
BLAKE AVE.: Hudson St. to Hatch Ave.....	May 27, 1915
BLAKE AVE.: Hudson St. to North Conduit Ave.....	Jan. 14, 1915
BOTANIC ST.: L. I. R. R. to Bayside Ave.....	May 22, 1914
BRENTON AVE.: Plainfield St. to Hillside Ave.....	June 7, 1912
†BROOKFIELD BLVD.: 147th Ave. to Rockaway Blvd.....	Mar. 30, 1916
BUCHMAN ST.: Cornelia St. to Catalpa Ave.....	Nov. 21, 1913
BURNSIDE AVE.: Broadway to 1st St.....	Oct. 19, 1916
BYRON ST.: Baisley Blvd. to Cornell Basin.....	Dec. 20, 1917
CAMERON TERRACE: Grout Ave. to 150' northerly.....	May 4, 1916
CARTER PLACE: Grand St. to Carter Ave.....	Nov. 15, 1912
CASE PLACE: Van Dine St. to Vorhees Place.....	Nov. 14, 1918
†CENTRAL AVE.: Broadway to Cypress Ave.....	Jan. 16, 1908
CARD PLACE: Corona to Kingsland Aves. (Referred back to Borough President, April 18, 1912).....	Dec. 1, 1910
CHAFFEE ST.: Shaler to Cornelia St.....	June 30, 1910
CHURCH ST.: Old South Road to Rockaway Road.....	Mar. 7, 1918

* Amended proceeding.

† Not recorded with the Board of Estimate and Apportionment.

	Passed Local Board
CLEVELAND AVE.: Greenpoint to Skillman Aves.....	June 6, 1918
*CLINTON AVE.: Montgomery to Hobson Aves.....	Mar. 2, 1916
COE PLACE: Van Nest St. to Vorhees Place. (Referred back to Borough President, April 18, 1912).....	Dec. 1, 1910
COLUMBINE AVE.: Clifton to Berlin Aves.....	June 25, 1914
COOPER AVE.: Cypress Ave. to Cypress Hills Road.....	Dec. 12, 1913
CORINTH AVE.: Grand St. to Caldwell Ave. (Referred back to Borough President, Jan. 30, 1914).....	Nov. 15, 1912
COVERT AVE.: Greenpoint Ave. to Madden St., and Locust St. to Addison Place.....	Jan. 7, 1909
CREEK ST.: Flushing Ave. to Penny Bridge.....	Sept. 29, 1915
*CUMBERLAND ST.: Across the Long Island Railroad.....	April 5, 1912
DEY ST.: Crescent St. to Van Alst Ave.....	Mar. 6, 1914
DIVISION ST.: Lewis to Caldwell Aves.....	April 13, 1916
DUTCHESS ST.: Lucerne Place to California Ave. and Queens to Oak Aves.....	Mar. 1, 1913
EDSALL AVE.: Otto St. to Central Ave. (Referred back to Borough President, Jan. 25, 1912).....	Mar. 24, 1911
FARMERS AVE.: Jamaica to 99th Aves.....	Oct. 26, 1916
FERGUSON ST.: Alburtis Ave. to Prime St. (Referred back to Borough President, Jan. 19, 1913).....	May 19, 1916
FITTING ST.: Barnett to Nelson Aves.....	Dec. 19, 1915
FLUSHING RIVER: De Lavall to Livingston Sts. (Referred to Comm. on Assessments, Oct. 15, 1915).....	Jan. 23, 1914
FOREST ST.: Junction Ave. to 41st St.....	June 25, 1914
FREEHOLD ST.: Ulster to Baisley Aves. (Referred back to Borough President, March 27, 1914).....	June 29, 1916
FULTON ST.: Bedford to Napier Aves.....	Dec. 19, 1913
*GOULD AVE.: Madden to Locust Aves.....	Mar. 16, 1914
GRAND AVE.: Main to Stevens Sts. (Referred to Chief Engineer, Oct. 23, 1913).....	May 10, 1912
GENESEE ST.: Vienna to Wortman Aves.....	Sept. 2, 1915
GRAND CENTRAL PARKWAY: Queens Blvd. to Nassau County Line.....	April 2, 1914
GRANT ST.: Kossuth Place to Madison St. (Referred back to Borough President, Feb. 28, 1908).....	June 12, 1906
GRIFFITH AVE.: Metropolitan to Central Aves.....	Mar. 7, 1918
GROUT AVE.: Schroeder Place to Hyatt Ave.....	Sept. 20, 1916
HALLE AVE.: Laurel Hill Blvd. to Old Berlin Ave.....	July 29, 1913
HALLECK AVE.: Kossuth Place to Shaler St.....	Mar. 24, 1911
HANOVER AVE.: L. I. R. R. to Sewage Disposal Plant. (Referred back to Borough President, April 18, 1912).....	Dec. 1, 1910
HAROLD AVE.: Queens Blvd. to Borden Ave.....	May 27, 1915
HARSELL ST.: Van Alst Ave. to East River.....	Dec. 19, 1907
HAYES AVE.: De Puyster St. to Jackson Ave.....	July 20, 1916
HEMLOCK PLACE: Collins Ave. to Fresh Pond Road.....	Mar. 7, 1918
HERBERT ST.: Rust St. to Clermont Ave.....	April 30, 1914
HICKS AVE.: Thomson to Woodside Aves.....	June 10, 1909
HOLLIS AVE.: 99th St. to Rosedale Blvd.....	Oct. 26, 1916
HOME LAWN AVE.: Hillside to Highland Aves.....	Jan. 25, 1917
HOWELL AVE.: Woodside Ave. to 5th St.....	Dec. 7, 1916
HUNT ST.: Van Dine St. to 330' easterly, and 42nd St. to Louona Ave.....	Jan. 4, 1917
INTERBOROUGH PARKWAY: Eastern Parkway to Forest Park	
JACOBSEN ST.: Britton to Baxter Aves.....	Dec. 12, 1913

* Not recorded with the Board of Estimate and Apportionment.

	Passed Local Board
JAMAICA AVE.: Between lines of Rockaway Beach Div. of L. I. R. R.	Mar. 31, 1910
JERMYN PLACE: Guinsburg Place to South St.	June 19, 1914
JOHNSON AVE.: Rockaway Road to Division St.	Nov. 29, 1912
JONES AVE.: Clifton to Debevoise Ave.	June 25, 1914
JOY AVE.: Laurel Hill Blvd. to Debevoise Ave.	Dec. 12, 1913
JUNCTION AVE.: Burnside Ave. to Hoffman Blvd.	Feb. 25, 1909
KINGSLAND AVE.: Elbertson to Havemeyer St.	April 29, 1909
*LAUREL HILL AVE.: Anable to Borden Aves.	Mar. 6, 1914
*LEBANON ST.: Mulford Ave. to Willets Point Road. (Awaiting adoption of Final Section)	Jan. 23, 1914
LIBERTY AVE.: Van Wyck Ave. to Carlisle St.	Oct. 26, 1916
LOCUST ST.: Barnett to Skillman Aves.	Dec. 9, 1915
LOUONA AVE.: Corona Ave. to Way Ave.	Mar. 22, 1917
McPHERSON ST.: Shaler to Cornelia Sts.	June 30, 1910
*MAIN ST.: Grand to Van Alst Aves. (Referred to City Plan, Feb. 20, 1914)	May 10, 1912
MERCHANT ST.: Hoyt to Ditmars Aves.	Oct. 1, 1914
MIDDAGH ST.: Fairbanks Ave. to westerly line of Old Grove St.	Sept. 23, 1915
MIDDLEBURGH AVE.: Barnett to Woodside Aves.	May 28, 1914
MILLS ST.: Orchard St. to Bulkhead Line of East River	Feb. 16, 1912
MILLS ST.: East River to Fulton Ave.	April 12, 1911
“ “ Orchard St. to Fulton Ave.	Jan. 20, 1911
MITCHELL AVE.: Murray to 31st Sts.	April 5, 1906
	Oct. 25, 1906
MONTGOMERY AVE.: Borden to Clinton Aves.	Dec. 12, 1913
MORTON AVE.: Central Ave. to a property line 40' north of Hosack St.	Jan. 14, 1915
*NAPIER AVE.: Across the Long Island Railroad	June 16, 1911
NORTH CONDUIT AVE.: Baisley Blvd. to 132nd St.	Dec. 20, 1917
“ “ “ 79th St. to Blake Ave.	Sept. 20, 1917
NOTT AVE.: Vernon Ave. to East River	July 12, 1912
NOTTAWA AVE.: Smith St. to New York Ave.	May 13, 1912
OCEAN PARKWAY and	
PROPOSED PARK: Beach 126th to Beach 141st Sts.	Dec. 9, 1915
ONDERDONK AVE.: Metropolitan to Catalpa Aves. (Referred to Chief Engineer, Feb. 11, 1910)	April 29, 1909
*PACKARD ST.: Skillman to Borden Aves.	Sept. 24, 1908
*PARK LANE: Bell Ave. to Little Neck Bay; both sides of Crocherson Ave.	Mar. 3, 1911
*PARK LANE: Myrtle Ave. to Union Turnpike	Mar. 30, 1916
PEARTREE AVE.: Jackson Ave. to Pell St.	Aug. 16, 1917
PELL ST.: Jackson to Polk Aves. (Referred to Borough President, Nov. 2, 1911)	June 30, 1910
PERCY ST.: Sanford Ave. to Bayreuth St. (Referred to Borough President, June 12, 1913)	Dec. 27, 1912
PHRANER AVE.: South St. to Yukon Ave.	Sept. 28, 1916
PLATTWOOD AVE.: Sutter Ave. to Rockaway Blvd.	Feb. 27, 1917
POLK AVE.: Woodside Ave. to 8th St. (Referred to Borough President, Nov. 29, 1911)	Sept. 20, 1905
POLK AVE.: Junction Ave. to Pell St. (Referred to Borough President, Nov. 2, 1911)	June 30, 1910
*PUBLIC PARK: Myrtle Ave. addition to Forest Park	Mar. 21, 1907
PUBLIC PLACE: Bounded by Young St., Gale St., and Borden Ave.	June 25, 1914
*RAILROAD AVE.: Maurice Ave to Grand St.	Sept. 20, 1905

* Not recorded with the Board of Estimate and Apportionment.

	Passed Local Board
RALPH ST.: Grandview Ave. to Fresh Pond Road. (Referred to Borough President).....	Sept. 19, 1906
RAMSEY ST.: Queens Blvd. to Grand St.....	Nov. 15, 1912
*REVIEW AVE.: Howard to Pearsall Sts.	
RIDGEWOOD AVE.: From a property line about 110' east of Spruce St. to the easterly right of way of the L. I. R. R.....	Nov. 21, 1918
*ROACH PLACE: Corona to Kingsland Aves.....	Nov. 19, 1916
ROCKAWAY BLVD.: Elderts Lane to Old Rockaway Road, etc.....	Initiated by Bd. of E. & A.
ROGERS ST.: Vernon Ave. to Barge Canal Terminal.....	Oct. 18, 1917
SAMUELSON ST.: Corinth Ave. to Division St. (Referred back to Local Board, Jan. 30, 1914).....	Nov. 15, 1912
SAULL ST.: Across right-of-way of L. I. R. R.....	May 25, 1916
" " California to Hammell Aves.....	April 25, 1913
SEDGWICK ST.: Kossuth Place to Cornelia St. (Referred back to Borough President, Dec. 24, 1918).....	June 30, 1910
SLOCUM ST.: Edsall Ave. to Madison St. (Referred back to Borough President, Feb. 28, 1908).....	July 18, 1906
SOUTH RAILROAD AVE.: Broadway to Roach Place.....	Jan. 23, 1914
*SPRUCE ST.: Atlantic Ave. North to Atlantic Ave. South. (Awaiting adoption of Special Final Map).....	Feb. 26, 1915
STANHOPE ST.: 351.9' northeast of Grandview to Metropolitan Aves.....	Jan. 14, 1915
STATE ST.: 17th to 31st Sts.....	June 25, 1908
STEUBEN ST.: Proctor St. to a property line 90' easterly, and from a property line 210' west of Griffith Ave. to a property line 90' east of Griffith Ave.....	May 9, 1918
*STEVENS ST.: Fulton Ave. to Main St.....	May 10, 1912
STILES PLACE: Queens Ave. to Station Road.....	Sept. 23, 1913
SUTTER AVE.: Hatch to Plattwood Aves.....	Feb. 27, 1917
SUWANEE AVE.: Rockaway Blvd. to Sutphin Road.....	Feb. 27, 1917
TENNESSEE ST.: Rockaway Blvd. to North Conduit Ave.....	May 28, 1914
*TIEMAN AVE.: Lurting to Nichols Sts.....	Mar. 17, 1918
*TORY ST.: Barkins St. to Flushing River.....	June 30, 1910
TOWER PLACE: Freedom to Oxford Aves.....	June 30, 1914
TOWNSEND AVE.: Clifton to Debevoise Aves.....	Feb. 25, 1914
TUCKERTON ST.: Guinsburg Place to Blakely St.....	Jan. 31, 1918
ULSTER AVE.: Sutphin Road to Smith St.....	Feb. 26, 1916
UPLAND PARK ADDITION: Petition for acquiring 2.316 acres. (Referred back to Borough President, Dec. 18, 1913).....	April 25, 1913
VAN DINE ST.: Kingsland to Roosevelt Aves. (Referred back to Borough President, April 18, 1912).....	Sept. 15, 1911
VAN HORN ST.: Grand St. to Woodhaven Ave.....	Jan. 23, 1914
VAN NEST ST.: Roosevelt Ave. to L. I. R. R. (Referred back to Borough President, April 18, 1912).....	Dec. 1, 1910
VORHEES PLACE: Hunt St. to Roosevelt Ave.....	Aug. 16, 1917
WAINSCOTT AVE.: Bechhurst to Bell Aves.....	Dec. 19, 1913
WALDRON ST.: Alburtis Ave. to Rodman St. (Referred back to Borough President, Dec. 18, 1913).....	April 12, 1911
WATERS AVE.: Laurel Hill Blvd. to Debevoise Ave.....	Dec. 12, 1913
WEISSE AVE.: Myrtle Ave. to Varian St.....	Mar. 1, 1917
" " Edsall to Satterlee Aves.....	May 2, 1913
WESTSIDE ST.: Corona Ave. to Rodman St. (Referred back to Borough President, Dec. 18, 1913).....	June 30, 1910
WILSON AVE.: Old Bowery Bay Road to 20th Ave.	Nov 15, 1912

* Not recorded with the Board of Estimate and Apportionment.

WOODHAVEN AVE.: Albert St. to Waterfront Development. (Awaiting approval of Jamaica Bay Blvd.).....	Dec. 13, 1912
WOODHAVEN AVE.: Queens Blvd. to Jamaica Ave. (Referred back to Borough President, Oct. 19, 1911).....	Mar. 31, 1910
WOODHAVEN AVE.: Middleburg to Anderson Aves.....	Nov. 3, 1910
WOODSIDE AVE.: Skillman to Jackson Aves.....	Jan. 13, 1916
YOUNG ST.: L. I. R. R. to Hunterspoint Ave. (Referred to Committee, Dec. 6, 1907).....	April 5, 1906
1ST ST.: Woodside Ave. to Matthews Place.....	Mar. 7, 1918
7TH ST.: Woolsey to Riker Aves.....	April 15, 1916
*8TH ST.: West of West Ave.....	Sept. 20, 1905
13TH ST.: 12th St. to Polk Ave.....	Mar. 22, 1917
14TH ST.: Arnot to Mitchell Aves.....	May 23, 1913
17TH ST.: Mitchell Ave. to Ziegler Estate. (Filed by Bd. of E. & A., Aug. 26, 1915).....	Oct. 25, 1906
19TH AVE.: North side of Broadway to East River.....	Jan. 26, 1912
20TH AVE.: Jackson Ave. to Quinn St.....	Nov. 15, 1912
21ST AVE.: Newtown Road to 20th Ave.....	Oct. 19, 1916
21ST ST.: Laurel Hill Blvd. to Roosevelt Ave.....	Jan. 13, 1916
BEACH 25TH ST.: Cornaga Ave. to Far Rockaway Blvd. (Referred to Borough President, Feb. 23, 1916).....	Jan. 13, 1916
28TH ST.: Jackson to Astoria Aves.....	July 16, 1914
37TH ST.: Banta to Hunt Sts.....	April 18, 1918
" " Hunt St. to Berrian Ave. (Referred back to Borough President, June 22, 1917).....	Mar. 24, 1911
41ST ST.: Berrian Ave. to Lake St.....	Mar. 24, 1911
42ND ST.: North Railroad Ave. to Flushing Bay.....	Jan. 20, 1911
43RD ST.: 265' north of Burnside to Ditmars Aves.....	Sept. 23, 1915
" " Polk to Roosevelt Aves.....	April 12, 1917
" " Polk Ave. to Sackett St.....	April 12, 1917
" " Jackson to Astoria Aves.....	Dec. 1, 1909
44TH ST.: Polk Ave. to Sackett St.....	April 12, 1917
" " Polk to Roosevelt Aves.....	April 12, 1917
" " Astoria Ave. to Sackett St.....	April 28, 1910
45TH ST.: Polk to Roosevelt Aves.....	April 12, 1917
" " Polk Ave. to Sackett St.....	April 12, 1917
85TH DRIVE: 80th to 83rd Sts.....	July 26, 1917
85TH ST.: Rockaway Plank Road to 101st Ave.....	Sept. 2, 1916
96TH AVE.: 96th to 98th Sts.....	Jan. 27, 1916
98TH AVE.: Farmers Ave. to 191st St.....	May 25, 1916
99TH AVE.: Farmers Ave. to Hollis Ave.....	Oct. 26, 1916
123RD ST.: Schleicher Court to Avenue C. (Awaiting adoption of Final Section 49).....	April 4, 1913
123RD ST.: Metropolitan Ave. to Ashland St.....	May 28, 1915
*130TH ST.: Metropolitan Ave. to Wisner Place. (Referred to City Plan Committee, Nov. 24, 1916).....	May 28, 1915
132ND ST.: North Conduit Ave. to Jamaica Disposal Plant.....	Dec. 20, 1917
*153RD ST.: Old South Road to 107th Ave.....	Jan. 31, 1918
155TH ST.: South St. to Yukon Ave.....	Dec. 20, 1917
194TH ST.: Jamaica to 109th Aves. (Awaiting adoption of map).....	Feb. 26, 1915
198TH ST.: Jamaica to Hollis Aves.....	Feb. 26, 1915
202ND ST.: Jamaica to Hollis Aves.....	Feb. 26, 1915
223RD ST.: 110th Ave. to Jamaica and Hempstead Turnpike.....	Dec. 22, 1915

* Not recorded with the Board of Estimate and Apportionment.

STREET OPENING MAPS APPROVED BY BOARD OF ESTIMATE AND APPORTIONMENT

	Approved	Feet
FOSTER AVE.: Skillman to Greenpoint Aves.....	May 31	5,500
STONE ST.: Skillman to Greenpoint Aves.....	May 31	760
BLISS ST.: Skillman to Borden Aves.....	Dec. 27	3,500
CAROLIN ST.: Skillman to Greenpoint Aves.....	Dec. 27	
Anable to Borden Aves.....	Dec. 27	3,500
		<hr/> 13,260

STREET OPENING SURVEYS COMPLETED

95TH AVE.: 109th to 111th Sts.; 113th to 115th Sts.

RULE MAPS COMPLETED AND FORWARDED TO BOARD OF ESTIMATE AND APPORTIONMENT FOR APPROVAL

	Forwarded	Feet
*WOODSIDE AVE.: Jackson Ave to Broadway.....	Jan. 30	9,500
*SENECA AVE.: Borough Line to Willoughby Ave.....	May 7	550
BELL AVE.: 35th to Jackson Aves.....	June 25	2,100
*PENELOPE ST.: Tremont Ave. to Queens Blvd.....	July 1	7,650
BLISS ST.: Skillman to Borden Aves.....	Sept. 30	3,500
CAROLIN ST.: Skillman to Greenpoint Aves.....		
Anable to Borden Aves.....	Sept. 30	3,500
MURRAY ST.: North Boulevard to 34th Ave.....	Sept. 28	750
MURRAY LANE: Murray St. to 33rd Ave.....	Sept. 28	450
NORTH JANE ST.: Vernon Ave. to Barge Canal Terminal.....	Dec. 17	369
*COOPER AVE.: Epsilon Place to Proctor St.....	April 25	4,000
*CENTRAL AVE.: Edsall to Woodhaven Aves.....	April 25	5,000
		<hr/> 37,369

DRAFT DAMAGE MAPS COMPLETED AND FORWARDED TO BOARD OF ESTIMATE AND APPORTIONMENT FOR APPROVAL

	Forwarded	Feet
*WOODSIDE AVE.: Jackson Ave. to Broadway.....	Jan. 30	9,500
*SENECA AVE.: Borough Line to Willoughby Ave.....	May 7	550
BELL AVE.: 85th to Jackson Aves.....	June 25	2,100
*PENELOPE ST.: Tremont Ave. to Queens Blvd.....	July 1	7,650
BLISS ST.: Skillman to Borden Aves.....	Sept. 30	3,500
CAROLIN ST.: Skillman to Greenpoint Aves.;		
Anable to Borden Aves.....	Sept. 30	3,500
MURRAY ST.: Northern Blvd. to 34th Ave.....	Sept. 28	750
MURRAY LANE: Murray St. to 33rd Ave.....	Sept. 28	450
NORTH JANE ST.: Vernon Ave. to Barge Canal Terminal.....	Dec. 17	369
*COOPER AVE.: Epsilon Place to Proctor St.....	April 25	4,000
*CENTRAL AVE.: Edsall to Woodhaven Aves.....	April 25	5,000
25TH ST.: Sigel Ave. to East River.....	Sept. 11	3,600
SIGEL AVE.: Astoria Ave. to 12th St.....	Sept. 11	2,300
RIKER AVE.: 12th to 25th Sts.....	Sept. 11	800
BROADWAY: Newtown Road to Queens Blvd.....	Feb. 13	12,000
		<hr/> 56,069

* Amended Proceeding.

FINAL DAMAGE MAPS COMPLETED AND FORWARDED TO CORPORATION
COUNSEL

	Forwarded	Feet
72ND AVE.: Vleigh Road to 1,710' westerly.....	Feb. 2	1,710
*79TH ST.: Liberty to Wortman Aves.....	Feb. 1	4,900
*80TH ST.: Atlantic to Liberty Aves.....	Feb. 1	1,970
CALDWELL AVE.: Harriet Ave. to Mazeau St.....	Feb. 20	4,210
12TH ST.: Fillmore to Astoria Aves.....	May 2	9,687
*91ST AVE.: Borough Line to 84th St.....	May 1	2,300
*84TH ST.: 91st Ave. to 90th Road.....	May 1	240
85TH ROAD: S3rd to 91st Sts.....	May 8	2,040
HOMER LEE AVE.: Canonbury Road to Burtis St.....	May 9	1,300
*MAURICE AVE.: Hanover to Junction Aves.....	June 25	417
*HORTON ST.: Hanover to Junction Aves.....	June 25	412
*IVY ST.: Hanover to Junction Aves.....	June 25	416
*JENNINGS ST.: Hanover to Junction Aves.....	June 25	420
*LEWIS ST.: Hanover to Junction Aves.....	June 25	424
LOWERY ST.: Gould to Borden Aves.; Skillman Ave. to Queens Blvd.....	Aug. 8	1,900
LAUREL HILL BLVD.: Columbia Ave. to Queens Blvd.....	Aug. 8	375
*WHITLOCK AVE.: Brown Place to Mazeau St.....	Aug. 8	1,600
*EVEREST ST.: Ness St. to Donnell Place.....	Aug. 8	300
*DONNELL PLACE: Everest to Dyson Sts.....	Aug. 8	200
*HOMANS AVE.: Division Ave. to Bloomfield St.....	Aug. 8	380
*76TH ST.: Atlantic to North Conduit Aves.....	Aug. 8	2,700
*PITKIN AVE.: Borough Line to Sutter Ave.....	Aug. 8	2,500
VAN COTT AVE.: Maurice Ave. to Grand St.....	Aug. 23	1,600
*FULTON ST.: Fisk Ave. to Kolyer St.....	Sept. 9	1,200
*FINCH PLACE: Kolyer St. to Plover Place.....	Sept. 9	960
*HAZEN ST.: Astoria to Berrian Aves.....	Sept. 30	4,200
*HOOD ST.: Hazen St. to Ditmars Ave.....	Sept. 30	600
PENELOPE ST.: Tremont Ave. to Queens Blvd.....	Nov. 19	7,650
*SUTTER AVE.: Borough Line to Pitkin Ave.....	Dec. 9	1,440
*NORTH CONDUIT AVE.: Sutter Ave. to 79th St.....	Dec. 9	400
*CROSBY AVE.: Vermont Ave. to Bulwer Place.....	Dec. 24	750
*VERMONT AVE.: Highland Blvd. to angle south of Cypress Ave.....	Dec. 24	3,550
MAZEAU ST.: Falkner to Grand Sts., and Grand St. to Metropolitan Ave.....	Dec. 24	6,850
		<hr/> 69,225

BENEFIT MAPS COMPLETED AND FORWARDED TO CORPORATION COUNSEL

	Forwarded	Feet
195TH ST.: 98th to 99th Aves.....	May 9	200
72D AVE.: Vleigh Road to 1,710' westerly.....	Feb. 2	1,710
*79TH ST.: Liberty Ave. to Wortman St.....	Feb. 1	4,900
*80TH ST.: Atlantic to Liberty Aves.....	Feb. 1	1,970
CALDWELL AVE.: Harriet Ave. to Mazeau St.....	Feb. 20	4,310
12TH ST.: Fillmore to Astoria Ave.....	May 2	9,687
*91ST AVE.: Borough Line to 84th St.....	May 1	2,300
*84TH ST.: 91st Ave. to 90th Road.....	May 1	240
85TH ROAD: S3rd to 91st Sts.....	May 8	2,040
HOMER LEE AVE.: Canonbury Road to Burtis St.....	May 9	1,300

* Combined Proceeding.

	Forwarded	Feet
*MAURICE AVE.: Hanover to Junction Aves.....	June 25	417
*HORTON ST.: Hanover to Junction Aves.....	June 25	412
*IVY ST.: Hanover to Junction Aves.....	June 25	416
*JENNINGS ST.: Hanover to Junction Aves.....	June 25	420
*LEWIS ST.: Hanover to Junction Aves.....	June 25	424
LOWERY ST.: Gould to Borden Aves.;		
Skillman Ave. to Queens Blvd.....	Aug. 8	1,900
LAUREL HILL BOULEVARD: Columbia Ave. to Queens Blvd.....	Aug. 8	360
*WHITLOCK AVE.: Brown Place to Mazeau St.....	Aug. 8	1,600
*EVEREST ST.: Ness St. to Donnell Place.....	Aug. 8	300
*DONNELL PLACE: Everest St. to Dyson St.....	Aug. 8	200
*HOMANS AVE.: Division Ave. to Bloomfield St.....	Aug. 8	380
*76TH ST.: Atlantic to North Conduit Aves.....	Aug. 8	2,700
*PITKIN AVE.: Borough Line to Sutter Ave.....	Aug. 8	2,500
VAN COTT AVE.: Maurice Ave. to Grand St.....	Aug. 23	1,600
*FULTON ST.: Fisk Ave. to Kolyer St.....	Sept. 9	1,200
*FINCH PLACE: Kolyer St. to Plover Place.....	Sept. 9	960
*HAZEN ST.: Astoria to Berrian Aves.....	Sept. 30	4,200
*HOOD ST.: Hazen St. to Ditmars Ave.....	Sept. 30	600
PENELOPE ST.: Tremont Ave. to Queens Blvd.....	Nov. 19	7,650
*SUTTER AVE.: Borough Line to Pitkin Ave.....	Dec. 9	1,440
*NORTH CONDUIT AVE.: Sutter Ave. to 79th St.....	Dec. 9	400
*CROSBY AVE.: Vermont Ave. to Bulwer Place.....	Dec. 24	750
*VERMONT AVE.: Highland Blvd. to angle south of Cypress Ave.....	Dec. 24	3,550
MAZEAU ST.: Falkner to Grand Sts.;		
Grand St. to Metropolitan Ave.....	Dec. 24	6,850
		<hr/> 69,425

STREET OPENING MAPS BEFORE THE BOARD OF ESTIMATE AND APPORTIONMENT
PENDING APPROVAL

BLISS ST.: Skillman to Borden Aves. (Rule and Damage.)
CAROLIN ST.: Skillman to Greenpoint Aves.;
Anable to Borden Aves. (Rule and Damage.)
SENECA AVE.: Borough Line to Willoughby Ave. (Amended Rule and Damage.)
BELL AVE.: 35th to Jackson Aves. (Rule and Damage.)
WOODSIDE AVE.: Jackson Ave. to Broadway. (Amended Rule and Damage.)
BROADWAY: Newtown Road to Queens Blvd. (Rule and Damage.)
PUBLIC PARK: Broadway, 19th St., and Fairbanks Ave.
" " Broadway, Fisk and Polk Aves. (Damage.)
FIRTH AVE.: Grand St. to Juniper Ave. (Rule.)
25TH ST.: Sigel Ave. to East River. (Rule.)
SIGEL AVE.: Astoria Ave. to 12th St. (Rule.)
RIKER AVE.: 12th to 25th Sts. (Rule.)
BURROUGH AVE.: Borden to Woodside Aves. (Supplementary Rule.)
COOPER AVE.: Epsilon Place to Proctor St. (Damage.)
CENTRAL AVE.: Edsall to Woodhaven Aves. (Damage.)
MURRAY ST.: North Blvd. to 34th Ave. (Rule and Damage.)
MURRAY LANE: Murray St. to 33rd Ave. (Rule and Damage.)
PENELOPE ST.: Tremont Ave. to Queens Blvd. (Amended Rule and Damage.)
NORTH JANE ST.: Vernon Ave. to Barge Canal Terminal. (Rule and Damage.)

* Combined Proceeding.

STATUS OF STREET OPENING MAPS NOT COMPLETED

Proceeding	Limits	Length in Feet	PERCENTAGE COMPLETED			
			N.S.—Not Started.			
			C.T.—Completed and Transmitted.			
			C.—Completed, but not Transmitted.			
			Rule	Draft Damage	Final Damage	Benefit
*COOPER AVE.....	Epsilon Place to Proctor St.....	4,000	C.T.	C.T.	C.	C.
*CENTRAL AVE.....	Edsall to Woodhaven Aves.....	5,000	"	"	"	"
FIRTH AVE.....	Grand St. to Juniper Ave.....	4,700	"	"	"	"
ALDEN AVE.....	L. I. R. to Pansy St.....	2,500	N.S.	N.S.	N.S.	N.S.
THEW AVE.....	Penelope St. to Nassau Ave.....	6,000	"	"	"	"
MAURE AVE.....	Metropolitan Ave. to Wisner Place; Atlantic to Liberty Aves.....	4,800	"	"	"	"
FOSTER AVE.....	Skillman to Greenpoint Aves.....	5,500	C.T.	C.T.	20	20
STONE ST.....	Skillman to Greenpoint Aves.....	760	"	"	20	20
BLISS ST.....	Skillman to Borden Aves.....	3,500	"	"	N.S.	N.S.
CAROLIN ST.....	Anable to Borden Aves.; Skillman to Greenpoint Aves.....	3,500	"	"	"	"
BOERUM AVE.....	Jackson Ave. to L. I. R. (Whitestone Div.).....	7,900	"	"	2	2
BORDEN AVE.....	Laurel Hill Blvd. to Grand St.....	8,300	5	5	N.S.	N.S.
BROADWAY.....	Newtown Road to Queens Blvd.....	12,000	C.T.	C.T.	N.S.	"
WOODSIDE AVE.....	Jackson Ave. to Broadway.....	9,500	"	"	C.	C.
ARMAND PLACE.....	Walter St. to Charlotte Place.....	440	"	"	N.S.	N.S.
CHARLOTTE PLACE.....	Dill Place to Alden Ave.....	2,000	"	"	"	"

* Amended Map.

STATUS OF STREET OPENING MAPS NOT COMPLETED—Continued

Proceeding	Limits	Length in Feet	PERCENTAGE COMPLETED			
			N.S.—Not Started.			
			C.T.—Completed and Transmitted.			
			C.—Completed, but not Transmitted.			
			Rule	Draft Damage	Final Damage	Benefit
DILL PLACE.....	Myrtle to Cooper Aves.....	1,390	C.T.	C.T.	N.S.	N.S.
FOREST AVE.....	Walter to Summerfield Sts.....	500	"	"	"	"
MILLWOOD ST.....	Walter to Slocum Sts.....	1,400	"	"	"	"
WALTER ST.....	Cooper to Millwood Aves.....	11,300	"	"	"	"
SYLVAN ST.....	Millwood to St. Felix Aves.....	420	"	"	"	"
FAIRBANKS AVE.....	Broadway to Baxter Ave.....	1,400	N.S.	N.S.	"	"
*25TH ST.....	Baxter to Roosevelt Aves.....	550	"	"	"	"
BAXTER AVE.....	Fairbanks Ave. to 25th St.....	200	"	"	"	"
AGNES PLACE.....	Myrtle Ave. to L. I. R. R.....	1,400	40	40	"	"
BERTHA PLACE.....	Myrtle Ave. to Varian St.....	1,170	40	40	N.S.	N.S.
CONSTANTIA PLACE.....	Myrtle Ave. to Varian St.....	1,160	"	"	"	"
VARIAN ST.....	Ford St. to Agnes Place.....	500	N.S.	N.S.	"	"
WEISSE AVE.....	Varian St. to L. I. R. R.....	180	"	"	"	"
88TH ROAD.....	83rd to 91st St.....	2,040	C.T.	C.T.	80	80
SOUTH ST.....	New York Ave. to Waltham St.....	2,300	"	"	N.S.	N.S.
40TH AVE.;.....						
ROOSEVELT AVE.....	Main St. to angle east of Willets Point Blvd.....	1,200	"	N.S.	"	"
PROCTOR ST.....	Metropolitan to Mrtle Aves.....	3,835	"	C.T.	C.	C.

* Amended Map.

STATUS OF STREET OPENING MAPS NOT COMPLETED—Continued

Proceeding	Limits	Length in Feet	PERCENTAGE COMPLETED				
			N.S.—Not Started.				
			C.T.—Completed and Transmitted.				
			C.—Completed, but not Transmitted.				
			Rule	Draft Damage	Final Damage	Benefit	
McCOMBS PLACE.....	Myrtle to Edsall Aves.....	1,550	C.T.	C.T.	C.	C.	
CALAMUS AVE.....	Maurice Ave. to Grand St.....	3,600	"	"	"	"	
DIVISION AVE.....	Grand St. to Caldwell Ave.....	1,683	"	"	30	95	
LEWIS AVE.....	Division Ave. to Bloomfield St.....	320	"	"	30	95	
BLOOMFIELD ST.....	Caldwell Ave. to Bowne Place.....	460	"	"	30	95	
BOWNE PLACE.....	Bloomfield to Sibley Sts.....	170	"	"	30	95	
SIBLEY ST.....	Bowne Place to Woodhaven Ave.....	868	"	"	30	95	
PHELPS AVE.....	Between adjoining sections of Sibley St.....	130	"	"	30	95	
CHICAGO ST.....	Corona Ave. to Queens Blvd.....	2,750	"	"	N.S.	N.S.	
PARCELL ST.....	Gay St. to Corona Ave.....	1,100	"	"	"	"	
TOLEDO ST.....	Corona Ave. to Queens Blvd.....	2,580	"	"	"	"	
MEDINA PLACE.....	Gerry to Corona Aves.....	700	"	"	"	"	
TRAUTWINE ST.....	Fisk Ave. to Ramsey St.....	456	N.S.	N.S.	N.S.	N.S.	
HEUSER ST.....	Barnett to Greenpoint Aves.....	2,540	"	"	"	"	
BELL AVE.....	35th Ave. to Northern Blvd.....	2,100	C.T.	C.T.	"	"	
STONE ST.....	Greenpoint Ave. to Queens Blvd.; Skillman to Greenpoint Aves.....	260 750	95	95	"	"	
DICKSON ST.....	Skillman to Barnett Aves.....	1,360	95	95	"	"	

* Amended Map.

STATUS OF STREET OPENING MAPS NOT COMPLETED—Continued

Proceeding	Limits	Length in Feet	PERCENTAGE COMPLETED			
			N.S.—Not Started.		C.—Completed, but not Transmitted.	
			Rule	Draft Damage	Final Damage	Benefit
LAUREL HILL AVE.....	Skillman to Anable Aves.....	2,600	N.S.	N.S.	N.S.	N.S.
*ARCHER ST.....	Van Wyck Ave. to Sutphin Road.....	2,000	C.T.	C.T.	10	10
25TH ST.....	Sigel Ave. to Bulkhead Line of East River.....	3,600	"	"	N.S.	N.S.
SIGEL AVE.....	Astoria Ave. to 12th St.....	2,300	"	"	"	"
RIKER AVE.....	12th to 25th Sts.....	800	"	"	"	"
BORROUGH AVE.....	(Closing Map) Sinclair Ave. to point 184.30' south.....	184	"	"	"	"
NORTH JANE ST.....	Vernon Ave. to the property acquired by the State of New York for a barge canal terminal.....	360	"	"	"	"
MURRAY ST.....	Northern Blvd. to 34th Ave.....	750	"	"	"	"
MURRAY LANE.....	Murray St. to 33rd Ave.....	450	"	"	"	"
NAGY ST. (Supplemental).....	Metropolitan to Jansen Aves.; Nassau Ave. to Grand St.....	6,635	"	"	C.	C.
UNNAMED ST.....	(Woodside Ave.) Foster Ave. to Stone St....	150	"	"	N.S.	N.S.
PUBLIC PARK.....	Bounded by Foster Ave.; Woodside Ave.....	.....	"	"	"	"
".....	Bounded by Foster Ave.; Greenpoint Ave.; Stone St.....	.....	"	"	"	"
*SENECA AVE.....	Brooklyn Borough Line to Willoughby Ave.; Summerfield St. to St. Felix Ave.....	550	"	"	10	10

* Amended Map.

ALTERATION OF ZONE MAPS APPROVED BY THE BOARD OF ESTIMATE AND
APPORTIONMENT

Approved

WILLIAM ST.: From within 100' of Webster Ave. to a point 100' south of Beebe Ave. 25C. (Business to Unrestricted.)	Jan. 18
HAYES AVE.: Junction to Peartree Aves. 31C. (Business to Residential.)	Sept. 20
Portions of Fitting, Heiser, Bliss Sts., Anabale, Gould Aves., etc. 12C. (Restricted to Unrestricted.)	Sept. 20
WYCKOFF AVE.: Putnam Ave. to Halsey St. 27C. (Unrestricted to Business.)	Sept. 20
PUTNAM AVE.: Wyckoff Ave. to the Borough Line 27C.;	
CORNELIA ST.: Wyckoff Ave. to the Borough Line 27C.;	
JEFFERSON AVE.: Wyckoff Ave. to the Borough Line 27C.;	
HANCOCK ST.: Wyckoff Ave. to the Borough Line 27C.;	
WEIRFIELD ST.: Wyckoff Ave. to the Borough Line 27C. (Unrestricted to Residential.)	Sept. 20
WAYNE ST.: Hinman St. to Griffith Ave. 30C. (Residential to Business.)	Sept. 20
ENGINE ST.: Flushing Bay, Ditmars Ave., etc., 16C. (Residential to Business.)	Sept. 20
Block bounded by DITMARS AVE., OAKLEY ST., POTTER AVE., etc., 20C. (Restricted to Unrestricted.)	Sept. 20
NOTT AVE.: East to Van Alst Aves., 24C. (Unrestricted to Business.)	Sept. 20
VANDEVENTER AVE.: 21st Ave., N. Y. Connecting Railway, etc., 29C. (Residential to Unrestricted.)	Sept. 20
HANCOCK ST.: Pierce to Graham Aves., 33C. (Business to Unrestricted.)	Dec. 20

PROPERTY MAPS APPROVED BY BOARD OF ESTIMATE AND APPORTIONMENT AND
FILED AT THIS OFFICE

Filed

Property at Elmhurst, belonging to Simonson Realty Co.	Mar. 28
Bellaire, Queens Estates	April 12
Development No. 4 of property belonging to Vinco Land Co., Inc.	April 16
CARD PLACE and abutting property	June 19
Portion of SEABURY ST.	July 31
Property of James Gascoyne Estate, Inc., at Glendale	Aug. 20
Property belonging to Maspeth Development Co.	Oct. 3
Showing a portion of NORTH VINE ST., belonging to Kew Gardens Corporation	Dec. 10
Amended Map of HOLLYWOOD PARK at Far Rockaway	Dec. 10

CITY STREETS BY DEDICATION ACCORDING TO OPINIONS RENDERED BY CORPORATION COUNSEL

	Opinion	Feet
ACORN ST.: Van Dine St. to Voorhees Place	Mar. 7	320
BIGELOW AVE.: Syosset St. to Jamaica Ave.	Jan. 22	370
BIRCH ST.: Jamaica Ave. to L. I. R. R.	Aug. 5	250
BROWER PLACE: Wool St. to 220' south of Queens Blvd.	Aug. 26	1,100
CASE PLACE: Van Dine St. to 105' west of Voorhees Place	Mar. 7	330
CHICHESTER AVE.: Van Wyck Ave. to Rockaway Turnpike	Sept. 3	3,600
DUNBAR ST.: Mott to Westbourne Ave.	May 28	350

	Opinion	Feet
EDSON ST.: Tiemann to Peartree Aves.....	May 11	900
FERGUSON ST.: Tiemann to Peartree Aves.....	May 11	900
FORD AVE.: Myrtle Ave. to L. I. R. R.....	Sept. 28/17	1,550
FREEDOM AVE.: Atlantic to Jamaica Aves.....	Sept. 21	2,080
GLENWOOD AVE.: Jackson to 34th Aves.....	Sept. 3	370
GRANADA PLACE: As shown on Final Section 226.....	Sept. 3	400
HAMILTON AVE.: Liberty to Roanoke Aves.....	Oct. 7/17	825
HANOVER AVE.: Corona to Lewis Aves.....	Sept. 3	1,720
HOWARD ST.: Forest Parkway to 275' easterly.....	Sept. 3	290
IOLA PLACE: Sunnyside to Beach 25th Sts.....	Sept. 3	250
JAMAICA AVE.: Main St. to Hillside Ave.....	Oct. 8/17	17,950
MEDFORD ST.: South to Mandsley Sts.....	Aug. 26	680
MERRIT PLACE: Corona Ave. to 600' west of Junction Ave.....	Sept. 3	1,100
MONTEVERDE AVE.: Grand St. to Hull Ave.....	June 20	430
MOTT AVE.: Boulevard to Borough Line.....	Sept. 3	6,300
MUELLER ST.: Grand St. to New Fisk Ave.....	April 20	1,480
MYAUD PLACE: Fresh Pond Road to Mt. Olivet Ave.....	July 1	970
NARCISSUS ST.: Robinson to Bowne Aves.....	July 23	195
NORTH RAILROAD AVE.: 51st St. to Tiemann Ave.....	Feb. 23	800
NORTON DRIVE: Waterloo Place to Bayswater Ave.....	May 29	800
OXFORD AVE.: Jamiaca to Brandon Aves.....	May 21	550
POINT BREEZE PLACE: Mott Ave. to Borough Line.....	Aug. 26	1,100
ROANOKE AVE.: Cedar to Hamilton Aves.....	Oct. 18/17	425
ROBINSON AVE.: Larch to Forest Aves.....	June 20	1,350
ROCHESTER AVE.: Sprayview to Edgemere Aves.....	Oct. 18/17	1,050
ROCKAWAY BEACH BLVD.: 100' west of 109th St. to Norton Creek.....	Oct. 15/17	19,000
RUBY ST.: Jerome to Atlantic Aves.....	May 28	1,510
SCHOOL ST.: Bradley to Star Aves.....	May 25	400
SEABURY ST.: Laconia St. to Brower Place.....	Aug. 5	450
SHERWOOD ST.: Rowan to Lenox Aves.....	Feb. 25	790
SILVER ST.: Woodward to Forest Aves.....	May 28	200
STEBEN ST.: 90' east of Proctor St. to 210' west of Griffith Ave.....	April 23	700
" " Weisse Ave. to 95' east of Griffith Ave.....	April 20	940
STOOTHOFF AVE.: Liberty to Roanoke Aves.....	Oct. 20/17	875
VAN DYKE ST.: Van Tassell to Van Sinderen Sts.....	Sept. 3	200
WATERLOO PLACE: Mott Ave. to Norton Drive.....	May 22	400
WAVECREST AVE.: Sprayview to Edgemere Aves.....	Oct. 18/17	1,050
WILLIAMS ST.: Jeffrey Ave. to Queens Blvd.....	Dec. 6/17	1,060
YUKON AVE.: New York Ave. to Smith St.....	Sept. 21	830
20TH ST.: Woodside to Fairbanks Aves.....	Sept. 3	670
BEACH 28TH ST.: Nott Ave. to Faber Place.....	Aug. 5	920
31ST ST.: Broadway to Queens Ave.....	Oct. 5/17	1,500
BEACH 32ND ST.: Edgemere to Brookhaven Aves.....	Sept. 14	500
BEACH 33RD ST.: Edgemere Ave. to L. I. R. R.....	May 11	400
39TH ST.: North side of Junction to Hayes Aves.....	Nov. 13/17	400
84TH ST.: 91st to 89th Aves.....	July 13	510
87TH AVE.: 75th St. to Elderts Lane.....	July 31	400
87TH ROAD: 75th St. to Elderts Lane.....	Sept. 17	400
88TH AVE.: 75th St. to Elderts Lane.....	Aug. 26	680
89TH AVE.: 85th St. to 260' westerly.....	Aug. 26	260
93RD ST.: Atlantic Ave. to Rockaway Blvd.....	Oct. 6/17	2,470
94TH ST.: Kimball Ave. to Rockaway Blvd.....	Aug. 27	400
95TH AVE.: 75th to 80th Sts.....	May 28	990
97TH AVE.: 75th to 80th Sts.....	May 28	990
107TH AVE.: Springfield Road to 340' east of 223rd St.....	Jan. 23	1,700

DIVISION OF SUBSTRUCTURES AND FRANCHISES

MAPS BEFORE BOARD OF ESTIMATE AND APPORTIONMENT PENDING APPROVAL

Map showing a standard location of substructures for all streets in the Borough of Queens having a roadway width of less than 40 feet. Dated March 17, 1915. T.B. No. 624.

Map showing a standard location of substructures for all streets in the Borough of Queens having a roadway width of 40 feet or more. Dated March 17, 1915. T.B. No. 624.

FIELD CORPS:

Angles turned.....	267
Features located.....	4,088
Feet of traverse.....	66,650
" " curb located.....	130,200
" " trolley tracks located.....	68,530
" " taping.....	387,790
" " building lines located.....	156,350
sewer manholes located.....	421
" receiving basins located.....	155
Telephone boxes located.....	74
Gas-valve boxes located.....	156
Water boxes located.....	435
Electric light and power boxes located.....	21
Street railway boxes located.....	16
Poles, hydrants, etc., located.....	2,810
Boxes, sewer manholes, etc., measured in detail.....	971
Linear feet of tunnel located.....	150
Street openings in which substructure locations were made.....	3,073
Inspections at which data was procured.....	2,384
" " " no data was procured.....	2,109
Linear feet of gas mains located.....	56,081
" " " water mains located.....	32,174
" " " electric power duct located.....	26,227
" " " telephone duct located.....	4,993
" " " sewer pipe located.....	420
" " " miscellaneous pipe located.....	50
Total linear feet of substructures located in street openings.....	119,945
Surface location survey of 6.0 miles of streets outside of First Ward covering 37 sheets.	
Surface location survey and detail measurement surveys for underground structures on 33 sheets, involving 15 miles of streets.	
23.0 miles of substructures were located in street openings in the First, Second, Third and Fourth Wards.	
54.5 miles of new installations were made throughout the Borough in conformity with the standard plan.	

OFFICE CORPS:

- Plotted topography, detail measurements and test pits on 12 record maps.
- " test pits information on two record maps.
- " miscellaneous changes and additions on seven record maps.
- Approved 238 street opening permits for 5.5 miles of gas mains; 5.3 miles of water mains; 1.3 miles of telephone duct; 6.2 miles of electric light and power duct, and assigned locations for same, according to our standard plan.
- Approved 1,085 permits for miscellaneous construction and repairs.
- Compiled, indexed and filed data on borings, subsoil, ground water and franchises.
- Examined, indexed and filed field notes, plans and application prints.
- Furnished information to City Departments and Corporations covering 24.8 miles of streets.

- To Sewer Department:
 - General information for 8.2 miles for streets.
 - Detail information for 0.5 mile of streets.
- To the Department of Water Supply, Gas and Electricity:
 - General information for 0.1 mile of streets.
 - Detail information for 0.6 mile of streets.
- To Highway Department:
 - General information for 2.1 miles of streets.
- To New York & Queens Electric Light and Power Company:
 - General information for 4.8 miles of streets.
 - Detail information for 0.1 mile of streets.
- To Private Surveyors, Engineers, Contractors and Public:
 - General information for 6.0 miles of streets.
 - Detail information for 0.4 mile of streets.

MISCELLANEOUS

MAPS FILED WITH THIS BUREAU:

Final Sections (Atlas Sheets).....	6
Grade Charts.....	1
Special Final Maps.....	4
Alteration Maps.....	37
Draft Damage Maps (Original).....	7
Draft Damage Maps (Tracings).....	7
Profile Maps.....	....
Damages Estimates.....	....
Guaranteed Maps.....	200
Surveys for Corporation Counsel.....	15
Sales Maps.....	15
Filed Maps.....	50
Tax Maps.....	50
Miscellaneous.....	25
Zone Maps.....	20
Conduit Maps.....	10
Old Road Maps.....	10
Pier and Bulkhead Maps.....	20
Railroad Maps.....	10
Sewer Maps.....	15

MAPS DISTRIBUTED BY THIS BUREAU:

For official use.....	1,000
Sold to the Public.....	170

COPIED AT THE COUNTY CLERK'S OFFICE:

Sales Maps.....	65
Guaranteed Surveys.....	75
Deed Descriptions.....	380
Searches.....	125
Investigations.....	58

BLUEPRINTS MADE BY THIS BUREAU:

For this Bureau and Other City Departments.....	3,311
For the Long Island Railroad.....	46
For the Title Guarantee and Trust Company.....	62
For the Lawyers' Title Insurance and Trust Company.....	81
For Civil Engineers and City Surveyors.....	197

BUREAU OF BUILDINGS

PLANS AND APPLICATIONS FOR NEW BUILDINGS FILED AND ACTED UPON
DURING 1918

Classification	No.	Estimated Cost
Frame Dwellings.....	751	\$2,174,150
Brick Dwellings.....	117	535,900
Frame Stores and Dwellings.....	4	11,900
Brick Stores and Dwellings.....	20	111,700
Frame Tenements.....		
Brick Tenements.....	4	49,000
Frame Stores and Tenements.....		
Brick Stores and Tenements.....		
Public Buildings (Amusement).....	4	145,000
Public Buildings (Municipal).....	1	2,500
Manufactories and Workshops.....	64	2,001,600
Churches.....	3	156,500
Schools.....	6	84,000
Hotels, Boarding Houses, etc.	7	55,000
Hospitals.....		
Storage Warehouses, etc.....	58	305,897
Office Buildings.....	13	110,000
Garages.....	720	603,928
Stables.....	10	8,825
Other Frame Structures.....	270	75,722
	2,052	\$6,431,622

PLANS AND APPLICATIONS FOR ALTERATIONS FILED AND ACTED UPON DURING THE YEAR ENDING DECEMBER 31

Classification	1915		1916		1917		1918	
	No.	Estimated Cost	No.	Estimated Cost	No.	Estimated Cost	No.	Estimated Cost
Frame Dwellings.....	1,813	\$415,485	1,368	\$642,750	2,495	\$400,398	2,490	\$463,200
Brick Dwellings.....	124	25,875	600	76,000	34	30,020	30	27,700
Frame Stores and Dwellings.....	260	94,477	317	137,675	282	117,925	236	105,625
Brick Stores and Dwellings.....	131	26,183	98	63,700	76	47,071	54	32,760
Frame Tenements.....	45	8,170	8	10,200	17	5,712	14	23,110
Brick Tenements.....	46	14,400	53	41,750	7	3,725	6	12,900
Frame Stores and Tenements.....	29	5,465	10	2,200	5	1,280	2	1,985
Brick Stores and Tenements.....	42	13,095	41	60,050	11	4,545	9	23,225
Public Buildings (Amusement).....	44	23,585	60	19,500	38	42,767	28	34,850
Public Buildings (Municipal).....	3	1,995	.....	.....	6	36,510	4	21,200
Manufactories and Workshops.....	160	191,465	172	348,750	157	259,052	169	249,875
Churches.....	18	46,430	17	37,200	26	22,910	17	27,240
Schools.....	19	29,010	14	14,300	17	383,250	21	61,725
Hotels, Boarding Houses, etc.....	36	42,170	86	28,900	29	42,498	26	37,300
Hospitals.....	.....	.....	.....	.....	3	25,389	2	25,275
Storage, Warehouses, etc.....	33	26,540	33	231,000	41	41,020	60	224,960
Office Buildings.....	26	30,660	40	65,600	49	30,496	81	24,375
Garages.....	39	21,495	107	20,100	75	131,930	79	60,325
Stables.....	46	26,175	22	8,740	27	8,830	14	3,075
Other Frame Structures.....	245	34,730	311	147,077	61	14,629	62	32,283
Totals.....	3,159	\$1,077,405	3,357	\$2,055,492	3,456	\$1,649,957	3,404	\$1,492,988

RECORD OF VIOLATIONS

Nature of Violation	Pending Dec. 31, '17	Received Since	Total for Disposition	Removed	Pending Dec. 31, '18
Defective construction, plumbing, etc.....	990	387	1,377	159	1,218
Erecting, altering or moving without a per- mit.....	832	385	1,217	375	842
Unsafe buildings.....	184	88	272	64	208
Totals.....	2,006	860	2,866	598	2,268

RECORD OF INSPECTIONS

Construction.....	109,399
Plumbing.....	42,631
Plastering.....	10,973
Elevator.....	1,150

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